



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 194956

TO: Patricia Duffy
Location: rem/3B05/3C18
Art Unit: 1645
Tuesday, July 18, 2006
Case Serial Number: 10063546

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1a69
Phone: 571-272-2518

barbara.obryen@uspto.gov

Search Notes

THIS PAGE BLANK (USPTO)

72448

194956

May

STIC-Biotech/ChemLib

From: Duffy, Patricia
Sent: Saturday, July 08, 2006 3:21 PM
To: STIC-Biotech/ChemLib
Subject: SPDI search

Importance: High

In re: 10/063,546

Please search SEQ ID NO:38.

Patricia A. Duffy, Ph.D.
Primary Patent Examiner
571-272-0855,
Remsen 3B05,
Mailbox: 3C18

1645

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA#: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

THIS PAGE BLANK (USPTO)

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd.

Om protein - protein search, using sw model
Run on: July 15, 2006, 07:02:31 ; Search time 29 Seconds
(without alignments)

Scoring table: BLOSUM62
Gapov 10.0 , Gapext 0.5

Searched:

204771 seqs, 57208143 residues

Total number of hits satisfying chosen parameters:

204771
Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
listing first 1500 summaries

Database :

Published_Applications_AA_New:*

1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_NEW_PUB_pep:*

2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US06_NEW_PUB_pep:*

3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_NEW_PUB_pep:*

4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_NEW_PUB_pep:*

5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/PCT_NEW_PUB_pep:*

6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_NEW_PUB_pep:*

7: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_NEW_PUB_pep:*

8: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US60_NEW_PUB_pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

28	248	6.3	230	7	US-11-253-869-8
29	248	6.3	230	7	US-11-253-869-40
30	246	6.2	812	7	US-11-348-939-7
31	244	6.2	477	7	US-11-264-088-2
32	244	6.2	477	7	US-11-311-475-5
33	236.5	6.0	416	7	US-11-205-257-8
34	228.5	5.8	1953	7	US-11-264-243-16
35	228	5.8	809	7	US-11-348-939-9
36	228	5.8	812	7	US-11-348-939-12
37	227.5	5.8	237	7	US-11-319-952-66
38	227.5	5.8	251	7	US-11-310-952-67
39	227	5.8	241	7	US-11-254-185-3
40	227	5.8	241	7	US-11-252-869-3
41	227	5.8	241	7	US-11-252-869-35
42	227	5.8	432	7	US-11-101-316-112
43	226	5.7	432	7	US-11-101-316-112
44	224.5	5.7	235	7	US-11-252-185-5
45	224.5	5.7	305	7	US-11-293-697-3002
51	222.5	5.6	790	7	US-11-310-939-13
54	222	5.6	423	7	US-11-101-316-106
56	219.5	5.6	245	7	US-11-252-185-36
57	219.5	5.6	245	7	US-11-252-869-36
58	215	5.4	790	7	US-11-150-703-1
59	215	5.4	791	7	US-11-318-939-6
60	213.5	5.4	255	7	US-11-254-185-6
61	213.5	5.4	255	7	US-11-254-185-38
62	213.5	5.4	255	7	US-11-253-869-6
63	213.5	5.4	255	7	US-11-253-869-38
64	212.5	5.4	250	6	US-10-546-455-12
65	212.5	5.4	250	6	US-10-546-455-12
66	212.5	5.4	250	7	US-11-319-952-86
67	212.5	5.4	282	6	US-10-546-455-11
68	212.5	5.4	282	6	US-10-546-455-11
69	211.5	5.4	235	7	US-11-253-185-4
70	211.5	5.4	235	7	US-11-253-869-7
71	211	5.3	1218	7	US-11-178-724-21
72	211	5.3	1218	7	US-11-071-796-20
73	210.5	5.3	505	3	US-11-293-697-327
74	208	5.3	271	7	US-11-292-215-10
75	206	5.2	275	7	US-11-319-944-13
76	204	5.2	260	6	US-11-319-952-72
77	204	5.2	260	7	US-11-319-952-83
78	203.5	5.2	224	7	US-11-254-185-7
79	203.5	5.2	224	7	US-11-254-185-39
80	203.5	5.2	224	7	US-11-253-869-7
81	203.5	5.2	224	7	US-11-253-869-39
82	203.5	5.2	255	7	US-11-264-243-21
83	202.5	5.1	228	7	US-11-319-952-73
84	200.5	5.1	810	7	US-11-318-939-11
85	199.5	5.1	255	7	US-11-318-939-22
86	198.5	5.0	311	7	US-11-355-858-2
87	197.5	5.0	248	7	US-11-319-952-60
88	197.5	5.0	269	7	US-11-249-999-127
89	197	5.0	318	7	US-11-318-939-10
90	195.5	5.0	247	7	US-11-071-796-23
91	195	4.9	258	7	US-11-319-952-82
92	194	4.9	113	7	US-11-254-185-26
93	194	4.9	113	7	US-11-253-869-26
94	194	4.9	113	7	US-11-319-952-69
95	192.5	4.9	281	7	US-11-292-215-7
96	191.5	4.9	247	7	US-11-319-952-82
97	191.5	4.9	830	6	US-10-505-928-469
98	191	4.8	254	7	US-11-319-952-3
99	190.5	4.8	241	7	US-11-319-952-77
100	190	4.8	254	7	US-11-319-952-81
101	189	4.8	237	7	US-11-319-952-34
102	189	4.8	253	6	US-10-544-944-10
103	188	4.8	253	7	US-11-319-952-68

Sequence 8, Appli	Sequence 40, Appli
Sequence 7, Appli	Sequence 35, Appli
Sequence 2, Appli	Sequence 36, Appli
Sequence 3, Appli	Sequence 37, Appli
Sequence 15, Appli	Sequence 38, Appli
Sequence 9, Appli	Sequence 39, Appli
Sequence 12, Appli	Sequence 40, Appli
Sequence 66, Appli	Sequence 67, Appli
Sequence 67, Appli	Sequence 68, Appli
Sequence 13, Appli	Sequence 69, Appli
Sequence 10, Appli	Sequence 70, Appli
Sequence 72, Appli	Sequence 73, Appli
Sequence 11, Appli	Sequence 74, Appli
Sequence 4, Appli	Sequence 21, Appli
Sequence 20, Appli	Sequence 22, Appli
Sequence 35, Appli	Sequence 36, Appli
Sequence 7, Appli	Sequence 37, Appli
Sequence 39, Appli	Sequence 40, Appli
Sequence 83, Appli	Sequence 84, Appli
Sequence 7, Appli	Sequence 39, Appli
Sequence 13, Appli	Sequence 40, Appli
Sequence 8, Appli	Sequence 9, Appli
Sequence 1, Appli	Sequence 10, Appli
Sequence 2, Appli	Sequence 11, Appli
Sequence 3, Appli	Sequence 12, Appli
Sequence 4, Appli	Sequence 13, Appli
Sequence 5, Appli	Sequence 14, Appli
Sequence 6, Appli	Sequence 15, Appli
Sequence 7, Appli	Sequence 16, Appli
Sequence 8, Appli	Sequence 17, Appli
Sequence 9, Appli	Sequence 18, Appli
Sequence 10, Appli	Sequence 19, Appli
Sequence 11, Appli	Sequence 20, Appli
Sequence 12, Appli	Sequence 21, Appli
Sequence 13, Appli	Sequence 22, Appli
Sequence 14, Appli	Sequence 23, Appli
Sequence 15, Appli	Sequence 24, Appli
Sequence 16, Appli	Sequence 25, Appli
Sequence 17, Appli	Sequence 26, Appli
Sequence 18, Appli	Sequence 27, Appli
Sequence 19, Appli	Sequence 28, Appli
Sequence 20, Appli	Sequence 29, Appli
Sequence 21, Appli	Sequence 30, Appli
Sequence 22, Appli	Sequence 31, Appli
Sequence 23, Appli	Sequence 32, Appli
Sequence 24, Appli	Sequence 33, Appli
Sequence 25, Appli	Sequence 34, Appli
Sequence 26, Appli	Sequence 35, Appli
Sequence 27, Appli	Sequence 36, Appli
Sequence 28, Appli	Sequence 37, Appli
Sequence 29, Appli	Sequence 38, Appli
Sequence 30, Appli	Sequence 39, Appli
Sequence 31, Appli	Sequence 40, Appli
Sequence 32, Appli	Sequence 41, Appli
Sequence 33, Appli	Sequence 42, Appli
Sequence 34, Appli	Sequence 43, Appli
Sequence 35, Appli	Sequence 44, Appli
Sequence 36, Appli	Sequence 45, Appli
Sequence 37, Appli	Sequence 46, Appli
Sequence 38, Appli	Sequence 47, Appli
Sequence 39, Appli	Sequence 48, Appli
Sequence 40, Appli	Sequence 49, Appli
Sequence 41, Appli	Sequence 50, Appli
Sequence 42, Appli	Sequence 51, Appli
Sequence 43, Appli	Sequence 52, Appli
Sequence 44, Appli	Sequence 53, Appli
Sequence 45, Appli	Sequence 54, Appli
Sequence 46, Appli	Sequence 55, Appli
Sequence 47, Appli	Sequence 56, Appli
Sequence 48, Appli	Sequence 57, Appli
Sequence 49, Appli	Sequence 58, Appli
Sequence 50, Appli	Sequence 59, Appli
Sequence 51, Appli	Sequence 60, Appli
Sequence 52, Appli	Sequence 61, Appli
Sequence 53, Appli	Sequence 62, Appli
Sequence 54, Appli	Sequence 63, Appli
Sequence 55, Appli	Sequence 64, Appli
Sequence 56, Appli	Sequence 65, Appli
Sequence 57, Appli	Sequence 66, Appli
Sequence 58, Appli	Sequence 67, Appli
Sequence 59, Appli	Sequence 68, Appli
Sequence 60, Appli	Sequence 69, Appli
Sequence 61, Appli	Sequence 70, Appli
Sequence 62, Appli	Sequence 71, Appli
Sequence 63, Appli	Sequence 72, Appli
Sequence 64, Appli	Sequence 73, Appli
Sequence 65, Appli	Sequence 74, Appli
Sequence 66, Appli	Sequence 75, Appli
Sequence 67, Appli	Sequence 76, Appli
Sequence 68, Appli	Sequence 77, Appli
Sequence 69, Appli	Sequence 78, Appli
Sequence 70, Appli	Sequence 79, Appli
Sequence 71, Appli	Sequence 80, Appli
Sequence 72, Appli	Sequence 81, Appli
Sequence 73, Appli	Sequence 82, Appli
Sequence 74, Appli	Sequence 83, Appli
Sequence 75, Appli	Sequence 84, Appli
Sequence 76, Appli	Sequence 85, Appli
Sequence 77, Appli	Sequence 86, Appli
Sequence 78, Appli	Sequence 87, Appli
Sequence 79, Appli	Sequence 88, Appli
Sequence 80, Appli	Sequence 89, Appli
Sequence 81, Appli	Sequence 90, Appli
Sequence 82, Appli	Sequence 91, Appli
Sequence 83, Appli	Sequence 92, Appli
Sequence 84, Appli	Sequence 93, Appli
Sequence 85, Appli	Sequence 94, Appli
Sequence 86, Appli	Sequence 95, Appli
Sequence 87, Appli	Sequence 96, Appli
Sequence 88, Appli	Sequence 97, Appli
Sequence 89, Appli	Sequence 98, Appli
Sequence 90, Appli	Sequence 99, Appli
Sequence 91, Appli	Sequence 100, Appli
Sequence 92, Appli	Sequence 101, Appli
Sequence 93, Appli	Sequence 102, Appli
Sequence 94, Appli	Sequence 103, Appli

104	188	4.8	333	7	US-11-318-939-8	sequence 8, Appli	179	150	3.8	276	7	US-11-292-215-1
105	187	4.7	281	7	US-11-293-697-2976	Sequence 2976, Appi	180	150	3.8	276	7	US-11-319-952-88
106	187	4.7	296	7	US-11-310-952-22	Sequence 22, Appli	181	148.5	3.8	472	7	US-11-217-957-26
107	185.5	4.7	295	7	US-11-175-714-5	Sequence 5, Appli	182	148.5	3.8	1403	7	US-11-217-957-12
108	182.5	4.6	720	7	US-11-175-714-4	Sequence 4, Appli	183	148.5	3.8	1404	7	US-11-217-957-2
109	182	4.6	721	7	US-11-175-714-7	Sequence 7, Appli	184	148.5	3.8	1547	7	US-11-217-957-22
110	182	4.6	1189	6	US-10-540-844-4	Sequence 4, Appli	185	148.5	3.8	1577	7	US-11-217-957-16
111	182	4.6	1236	6	US-10-540-844-2	Sequence 2, Appli	186	148.5	3.8	1577	7	US-11-217-957-20
112	182	4.6	1238	7	US-11-178-724-22	Sequence 22, Appli	187	148.5	3.8	1403	7	US-11-217-957-42
113	182	4.6	1238	7	US-11-071-796A-21	Sequence 21, Appli	188	148.5	3.8	1620	7	US-11-217-957-40
114	181.5	4.5	299	7	US-11-175-714-8	Sequence 8, Appli	189	147.5	3.7	4391	7	US-11-183-235-56
115	181	4.6	257	7	US-11-319-952-87	Sequence 87, Appli	190	147	3.7	244	7	US-11-247-886-3
116	180	4.6	254	7	US-11-319-952-59	Sequence 59, Appli	191	147	3.7	244	7	US-11-247-886-4
117	179.5	4.5	250	7	US-11-319-952-23	Sequence 9, Appli	192	146	3.7	244	7	US-11-247-886-5
118	179	4.5	112	7	US-11-254-185-27	Sequence 9, Appli	193	144	3.7	177	7	US-11-247-886-10
119	177	4.5	112	7	US-11-253-869-27	Sequence 27, Appli	194	143	3.6	244	7	US-11-247-886-7
120	177	4.5	729	7	US-11-175-714-8	Sequence 8, Appli	195	141	3.6	244	7	US-11-247-886-9
121	176	4.5	203	7	US-11-264-243-8	Sequence 8, Appli	196	140	3.5	4590	6	US-10-505-928-569
122	174	4.4	258	6	US-10-449-902-31884	Sequence 31884, A	197	139.5	3.5	207	7	US-11-357-337-4
123	174	4.4	286	7	US-11-293-215-9	Sequence 9, Appli	198	139	3.5	464	6	US-10-505-928-757
124	173.5	4.4	717	7	US-11-175-714-9	Sequence 9, Appli	199	138.5	3.5	247	6	US-10-511-937-2422
125	171.5	4.3	2413	6	US-10-511-937-2616	Sequence 2616, Appli	200	138	3.5	291	7	US-11-247-886-11
126	171	4.3	256	7	US-11-319-952-44	Sequence 44, Appli	201	136.5	3.5	439	7	US-11-247-886-9
127	171	4.3	277	7	US-11-319-952-45	Sequence 45, Appli	202	136.5	3.5	618	7	US-11-178-724-19
129	171	4.3	737	7	US-11-296-902-15	Sequence 15, Appli	203	136.5	3.5	618	7	US-11-071-796A-18
130	171	4.3	864	7	US-11-178-724-27	Sequence 15, Appli	204	136.5	3.5	1198	7	US-11-217-957-14
131	170	4.3	255	7	US-11-319-952-74	Sequence 27, Appli	205	136	3.4	696	6	US-10-510-902-41608
132	167.5	4.2	256	7	US-11-319-952-76	Sequence 74, Appli	206	135	3.4	469	7	US-11-246-959-41
133	167.5	4.2	255	7	US-11-319-952-76	Sequence 76, Appli	207	135	3.4	494	7	US-11-293-957-2165
134	167.5	4.2	261	7	US-11-319-952-78	Sequence 78, Appli	208	135	3.4	567	7	US-11-178-724-19
135	167.5	4.2	262	7	US-11-319-952-80	Sequence 80, Appli	209	134	3.4	587	7	US-11-030-633-32
136	165.5	4.2	723	7	US-11-179-724-18	Sequence 80, Appli	210	134	3.4	1786	6	US-10-519-328-2
137	165.5	4.2	723	7	US-11-071-796A-17	Sequence 17, Appli	211	134	3.4	41608	A	Sequence 11, Appli
138	162	4.1	248	6	US-10-449-902-40162	Sequence 40162, A	212	134	3.4	1821	6	US-10-519-328-1
139	161	4.1	293	6	US-10-544-944-3	Sequence 3, Appli	213	131.5	3.3	810	6	US-10-781-941-34
140	161	4.1	293	6	US-10-546-945-1	Sequence 1, Appli	214	131	3.3	76	7	US-11-254-945-50
141	161	4.1	293	7	US-11-319-952-14	Sequence 14, Appli	215	131	3.3	76	7	US-11-253-889-46
142	160	4.1	113	7	US-11-254-185-28	Sequence 28, Appli	216	130.5	3.3	1398	7	US-11-217-957-38
143	160	4.1	113	7	US-11-233-869-28	Sequence 28, Appli	217	130.5	3.3	1418	7	US-11-217-957-38
144	160	4.1	262	6	US-10-511-937-2431	Sequence 2431, Appli	218	130.5	3.3	1594	7	US-11-217-957-18
145	159	4.0	287	7	US-11-319-952-70	Sequence 70, Appli	219	129	3.3	244	7	US-11-247-886-8
153	155.5	4.0	283	7	US-11-317-337-2	Sequence 2, Appli	220	129	3.3	490	7	US-11-293-957-3621
154	155	4.0	465	6	US-10-505-928-549	Sequence 549, Appli	221	128	3.2	342	7	US-11-038-753-1
149	157	4.0	686	7	US-11-264-243-4	Sequence 28, Appli	222	128	3.2	1418	7	US-11-217-957-38
150	156	4.0	184	7	US-11-319-952-57	Sequence 57, Appli	223	126	3.2	364	7	US-10-505-928-521
151	156	4.0	255	7	US-11-319-952-75	Sequence 75, Appli	224	126	3.2	708	7	US-11-293-697-4229
152	156	4.0	261	7	US-11-215-634-1	Sequence 79, Appli	225	124	3.1	911	7	US-11-226-554-89
153	155.5	3.9	830	7	US-11-175-714-11	Sequence 11, Appli	227	123.5	3.1	1523	6	US-10-533-655-236
154	152	3.9	264	7	US-11-247-886-1	Sequence 1, Appli	228	121.5	3.1	491	7	US-11-217-957-30
161	152	3.9	247	6	US-10-511-937-2940	Sequence 2, Appli	229	121	3.1	364	6	US-10-505-928-605
155	153	3.9	610	6	US-10-503-928-580	Sequence 580, Appli	230	121	3.1	493	7	US-11-267-942-4
157	153	3.9	244	7	US-11-247-886-6	Sequence 6, Appli	231	121	3.1	3396	6	US-10-505-928-449
158	152.5	3.9	264	7	US-11-215-634-1	Sequence 1, Appli	232	120.5	3.1	1431	7	US-11-352-654-2
159	152	3.9	642	7	US-11-175-714-10	Sequence 10, Appli	233	120	3.0	493	7	US-11-267-942-3
160	152	3.9	247	6	US-10-511-937-2472	Sequence 2472, Ap	234	118.5	3.0	375	7	US-11-289-102-304
161	152	3.9	247	6	US-10-511-937-2940	Sequence 2470, Ap	235	117.5	3.0	372	7	US-11-178-724-1
162	152	3.9	686	7	US-11-175-714-25	Sequence 25, Appli	236	117	3.0	7	US-11-253-869-47	
163	152	3.9	686	7	US-11-175-714-40	Sequence 40, Appli	237	117	3.0	76	7	US-11-267-942-2
164	152	3.9	686	7	US-11-175-714-42	Sequence 42, Appli	238	115.5	2.9	448	7	US-11-267-942-5
165	152	3.9	686	7	US-11-175-714-44	Sequence 44, Appli	239	115	2.9	775	7	US-11-293-657-4133
166	152	3.9	686	7	US-11-175-714-46	Sequence 46, Appli	240	114	2.9	575	7	US-11-217-997-32
167	150.5	3.8	685	7	US-11-297-134-17	Sequence 17, Appli	241	114	2.9	1394	7	US-11-352-664-25
168	150.5	3.8	685	7	US-11-175-714-2	Sequence 2, Appli	242	112.5	2.9	1247	6	US-10-505-928-371
169	150.5	3.8	685	7	US-11-175-714-28	Sequence 28, Appli	243	112	2.8	493	6	US-10-505-928-676
170	150.5	3.8	685	7	US-11-175-714-32	Sequence 32, Appli	244	112	2.8	493	7	US-11-267-942-2
171	150.5	3.8	685	7	US-11-175-714-34	Sequence 34, Appli	245	112	2.8	2026	6	US-10-505-928-831
172	150.5	3.8	685	7	US-11-175-714-36	Sequence 36, Appli	246	111.5	2.8	488	7	US-11-274-634-21
173	150.5	3.8	685	7	US-11-175-714-38	Sequence 38, Appli	247	111.5	2.8	732	7	US-11-274-634-3
174	150.5	3.8	685	7	US-11-175-714-40	Sequence 20, Appli	248	111	2.8	755	7	US-11-274-634-14
175	150.5	3.8	685	7	US-11-264-243-2	Sequence 2, Appli	249	110.5	2.8	615	6	US-10-953-349-1116
176	150.5	3.8	685	7	US-11-071-796A-19	Sequence 19, Appli	250	110	2.8	28	7	US-11-254-185-48
177	150	3.8	276	6	US-10-544-944-16	Sequence 16, Appli	251	108.5	2.8	76	7	US-11-233-869-48
178	150	3.8	276	6	US-10-546-435-8	Sequence 8, Appli	254	108.5	2.8	545	7	US-11-101-316-110

255	108.5	2.8	545	7	US-11-293-697-3725	Sequence 3725, App	331	91.5	2.3	1824	7	US-11-174-307B-1444
257	108.5	2.7	21	7	US-11-354-653-74	Sequence 74, Appli	332	91	2.3	233	7	US-11-321-421-110
258	107	2.7	379	7	US-11-355-541-4	Sequence 4, Appli	333	91	2.3	1732	7	US-11-174-307B-470
259	107	2.7	546	6	US-11-953-349-1117	Sequence 1117, A	334	90.5	2.3	107	6	US-10-982-908-26
260	106.5	2.7	113	7	US-11-254-185-23	Sequence 23, Appli	335	90.5	2.3	994	6	US-10-449-902-43721
261	106.5	2.7	113	7	US-11-253-697-23	Sequence 23, Appli	336	90.5	2.3	1639	7	US-11-174-307B-1134
262	106.5	2.7	5635	6	US-10-766-760-2	Sequence 2, Appli	337	90.5	2.3	1964	7	US-10-541-708-458
264	105.5	2.7	374	6	US-10-781-841-25	Sequence 25, Appli	338	90.5	2.3	2804	6	US-11-254-185-29
265	105.5	2.7	816	6	US-10-781-841-37	Sequence 37, Appli	339	90	2.3	123	7	US-11-174-307B-185-29
266	104.5	2.6	111	7	US-11-254-185-25	Sequence 25, Appli	340	90	2.3	123	7	US-11-253-869-29
267	104.5	2.6	111	7	US-11-253-869-25	Sequence 25, Appli	341	90	2.3	246	6	US-10-953-349-18257
268	104.5	2.6	379	7	US-11-293-697-3405	Sequence 3405, App	342	90	2.3	246	7	US-11-056-355B-57360
269	104.5	2.6	967	6	US-10-449-902-2043	Sequence 5203, A	343	90	2.3	260	6	US-11-056-355B-57359
270	104.5	2.6	157	7	US-11-175-714-6	Sequence 6, Appli	344	90	2.3	2804	6	US-10-953-349-30057
271	103.5	2.6	971	6	US-10-505-928-397	Sequence 397, App	345	90	2.3	408	6	Sequence 29, Appli
272	102.5	2.6	112	7	US-11-253-869-30	Sequence 30, Appli	346	90	2.3	411	6	Sequence 18257, A
273	102.5	2.6	112	7	US-11-253-869-30	Sequence 30, Appli	347	90	2.3	411	6	Sequence 18257, A
274	102	2.6	720	7	US-11-354-979-22	Sequence 22, Appli	348	90	2.3	655	6	US-10-449-902-36872
275	102	2.6	917	6	US-10-547-530-94	Sequence 94, Appli	349	90	2.3	802	6	Sequence 51360, A
276	102	2.6	934	6	US-10-547-530-138	Sequence 138, App	350	89.5	2.3	260	7	Sequence 51359, A
277	102	2.6	1013	6	US-10-547-530-106	Sequence 106, App	351	89.5	2.3	382	6	Sequence 30058, A
278	102	2.6	492	6	US-10-547-530-122	Sequence 122, App	352	89.5	2.3	408	6	Sequence 30057, A
279	101.5	2.6	289	7	US-11-217-997-28	Sequence 28, Appli	353	89.5	2.3	56	6	Sequence 30056, A
280	101.5	2.6	685	7	US-11-293-697-3546	Sequence 3546, App	354	89.5	2.3	91	7	Sequence 36872, A
281	101.5	2.6	726	6	US-10-449-902-54661	Sequence 54661, A	355	89.5	2.3	797	6	Sequence 54592, A
282	101.5	2.6	901	5	US-10-505-928-700	Sequence 700, App	356	89.5	2.3	996	6	Sequence 45223, A
283	100.5	2.5	471	6	US-10-953-349-22152	Sequence 22152, A	357	89.5	2.3	1333	7	Sequence 121, App
284	100.5	2.5	492	6	US-10-953-349-22151	Sequence 22151, A	358	89.5	2.3	1735	7	Sequence 122, App
285	100	2.5	162	7	US-11-357-337-6	Sequence 6, Appli	359	89	2.3	137	7	Sequence 90, Appli
286	100	2.5	685	7	US-11-293-697-3546	Sequence 3485, App	360	89	2.3	1517	7	Sequence 13, Appli
287	100	2.5	726	6	US-10-449-902-54661	Sequence 4500, App	361	89	2.3	1535	7	Sequence 616, App
288	99	2.5	223	7	US-11-293-697-4500	Sequence 4547, A	362	89	2.3	1738	7	Sequence 50592, A
289	99	2.5	259	7	US-11-217-997-34	Sequence 4547, A	363	89	2.3	1768	7	Sequence 45223, A
290	99	2.5	502	7	US-11-293-697-4002	Sequence 4802, App	364	89	2.3	1919	7	Sequence 121, App
291	98	2.5	477	6	US-10-953-349-1118	Sequence 1118, A	365	88.5	2.2	52	7	Sequence 122, App
292	98	2.5	949	6	US-10-547-530-92	Sequence 92, Appli	366	88.5	2.2	229	7	Sequence 13, Appli
293	98	2.5	966	6	US-10-547-530-136	Sequence 136, App	367	88.5	2.2	642	6	Sequence 616, App
294	98	2.5	993	6	US-10-449-902-55747	Sequence 4547, A	368	88.5	2.2	917	7	Sequence 50592, A
295	98	2.5	1045	6	US-10-547-530-104	Sequence 104, App	369	88.5	2.2	1047	7	Sequence 45223, A
296	98	2.5	1080	6	US-10-547-530-120	Sequence 120, App	370	88.5	2.2	1252	7	Sequence 121, App
297	98	2.5	5738	6	US-10-505-928-150	Sequence 150, App	371	88.5	2.2	1742	7	Sequence 122, App
298	97	2.5	949	6	US-11-293-697-3263	Sequence 3263, App	372	88	2.2	799	6	Sequence 13, Appli
299	97	2.5	1193	6	US-10-505-928-537	Sequence 537, App	373	88	2.2	1277	7	Sequence 616, App
300	96.5	2.4	245	7	US-11-174-307B-898	Sequence 4547, A	374	88	2.2	1607	7	Sequence 50592, A
301	96	2.4	832	6	US-10-505-928-491	Sequence 898, App	375	88	2.2	2149	7	Sequence 45223, A
302	95.5	2.4	1611	7	US-11-174-307B-2234	Sequence 136, App	376	87.5	2.2	687	7	Sequence 121, App
303	95.5	2.4	298	7	US-11-174-307B-2252	Sequence 2234, App	377	87.5	2.2	1742	7	Sequence 122, App
304	95	2.4	1220	7	US-11-174-307B-284	Sequence 2552, App	378	87.5	2.2	1442	7	Sequence 13, Appli
305	94	2.4	536	6	US-10-449-902-40167	Sequence 40167, A	379	87.5	2.2	7285	7	Sequence 13, Appli
306	94	2.4	1721	7	US-11-174-307B-968	Sequence 968, App	380	87	2.2	454	7	Sequence 616, App
307	94	2.4	1768	7	US-11-174-307B-1136	Sequence 136, App	381	87	2.2	476	7	Sequence 50592, A
308	93.5	2.4	433	6	US-10-953-349-1922	Sequence 1923, App	382	87	2.2	1700	7	Sequence 45223, A
309	93.5	2.4	468	6	US-10-511-937-2595	Sequence 2595, App	383	87	2.2	863	6	Sequence 121, App
310	93.5	2.4	486	6	US-10-953-349-1921	Sequence 2844, App	384	87	2.2	1248	7	Sequence 122, App
311	93.5	2.4	501	6	US-10-449-902-41920	Sequence 40167, A	385	87	2.2	1333	7	Sequence 13, Appli
312	93.5	2.4	687	6	US-10-449-902-53244	Sequence 53244, A	386	87	2.2	1429	7	Sequence 616, App
313	93.5	2.4	763	6	US-10-982-908-28	Sequence 8, Appli	387	86.5	2.2	345	7	Sequence 50592, A
314	93.5	2.4	880	6	US-10-449-902-55236	Sequence 4199, A	388	86.5	2.2	1800	7	Sequence 45223, A
315	93.5	2.4	1099	6	US-10-449-902-55236	Sequence 55236, A	389	86	2.2	421	7	Sequence 121, App
316	93.5	2.4	1630	7	US-11-174-307B-2222	Sequence 1921, App	390	86	2.2	909	6	Sequence 122, App
317	93	2.4	74	7	US-11-254-185-45	Sequence 1920, App	391	86	2.2	969	6	Sequence 13, Appli
318	93	2.4	74	7	US-11-253-869-45	Sequence 45, App	392	86	2.2	1019	6	Sequence 616, App
319	93	2.4	483	7	US-11-293-697-715	Sequence 3715, App	393	86	2.2	1023	6	Sequence 50592, A
320	93	2.4	801	6	US-10-504-917-38	Sequence 38, App	394	86	2.2	1175	6	Sequence 45223, A
321	93	2.4	1002	7	US-11-259-133-113	Sequence 113, App	395	86	2.2	1316	7	Sequence 121, App
322	93	2.4	1418	7	US-11-174-307B-950	Sequence 1950, App	396	86	2.2	1373	7	Sequence 122, App
323	92.5	2.3	974	7	US-11-174-307B-200	Sequence 2222, App	397	86	2.2	1516	7	Sequence 13, Appli
324	92.5	2.3	1042	7	US-11-121-154-176	Sequence 45, App	398	86	2.2	1522	7	Sequence 616, App
325	92.5	2.3	1367	7	US-11-289-102-382	Sequence 3715, App	399	86	2.2	1863	7	Sequence 50592, A
326	92.5	2.3	1544	7	US-11-174-307B-1374	Sequence 382, App	400	86	2.2	1896	7	Sequence 45223, A
327	92	2.3	845	6	US-10-449-902-47572	Sequence 382, App	401	86	2.2	1942	7	Sequence 121, App
328	92	2.3	845	6	US-10-449-902-2863	Sequence 4040, App	402	85.5	2.2	411	6	Sequence 122, App
329	91.5	2.3	585	6	US-10-449-902-2863	Sequence 4183, A	403	85.5	2.2	411	7	Sequence 121, App
330	91.5	2.3	915	7	US-11-174-307B-1172	Sequence 4183, A	404	85.5	2.2	1172	7	Sequence 121, App

405	85.5	2.2	411	7	US-11-056-355B-89035	Sequence 89035, A	479	83.5	2.1	470	7	US-11-056-355B-7178	Sequence 74178, A
406	85.5	2.2	411	7	US-11-056-355B-92791	Sequence 92791, A	480	83.5	2.1	622	7	US-11-056-355B-74177	Sequence 74177, A
407	85.5	2.2	421	7	US-11-056-355B-89034	Sequence 89034, A	481	83.5	2.1	628	7	US-11-056-355B-77083	Sequence 77083, A
408	85.5	2.2	598	7	US-11-296-092-69	Sequence 69, APPL	482	83.5	2.1	694	7	US-11-056-355B-72790	Sequence 72790, A
409	85.5	2.2	598	7	US-11-296-092-69	Sequence 69, APPL	483	83.5	2.1	694	7	US-11-056-355B-77082	Sequence 77082, A
410	85.5	2.2	598	7	US-11-296-155-69	Sequence 69, APPL	484	83.5	2.1	697	7	US-11-056-355B-48669	Sequence 45869, A
411	85.5	2.2	673	7	US-11-101-316-16	Sequence 16, APPL	485	83.5	2.1	697	7	US-11-056-355B-77081	Sequence 77081, A
412	85.5	2.2	759	6	US-10-449-902-42287	Sequence 42287, A	486	83.5	2.1	748	7	US-11-056-355B-45668	Sequence 45868, A
413	85.5	2.2	1259	7	US-11-174-3-07B-1126	Sequence 1126, APPL	487	83.5	2.1	838	7	US-11-174-3-07B-808	Sequence 808, APPL
414	85.5	2.2	1529	7	US-11-174-3-07B-1114	Sequence 1114, APPL	488	83.5	2.1	873	7	US-11-174-3-07B-1072	Sequence 1072, APPL
415	85.5	2.2	1534	7	US-11-174-3-07B-2156	Sequence 2156, APPL	489	83.5	2.1	1132	7	US-11-174-3-07B-448	Sequence 4648, APPL
416	85.5	2.2	1739	7	US-11-174-3-07B-3342	Sequence 3342, APPL	490	83.5	2.1	1155	7	US-11-174-3-07B-644	Sequence 644, APPL
417	85.5	2.2	1881	7	US-11-174-3-07B-520	Sequence 520, APPL	491	83.5	2.1	1220	7	US-11-174-3-07B-1048	Sequence 1048, APPL
418	85.5	2.2	2202	6	US-10-544-731-8	Sequence 8, APPL	492	83.5	2.1	1277	7	US-11-174-3-07B-808	Sequence 808, APPL
419	85.5	2.2	2227	6	US-10-544-731-7	Sequence 7, APPL	493	83.5	2.1	1289	7	US-11-174-3-07B-2174	Sequence 2174, APPL
420	85.5	2.2	2233	6	US-10-544-902-36867	Sequence 9, APPL	494	83.5	2.1	1315	7	US-11-174-3-07B-4248	Sequence 4248, APPL
421	85.5	2.2	536	6	US-10-449-902-46163	Sequence 11, APPL	495	83.5	2.1	1363	7	US-11-174-3-07B-4900	Sequence 4900, APPL
422	85.5	2.2	594	6	US-10-525-105-7	Sequence 7, APPL	496	83.5	2.1	1424	7	US-11-174-3-07B-504	Sequence 504, APPL
423	85.5	2.2	639	6	US-10-525-105-10	Sequence 10, APPL	497	83.5	2.1	1658	7	US-11-174-3-07B-802	Sequence 802, APPL
424	85.5	2.2	732	7	US-11-295-697-3575	Sequence 3575, APPL	498	83.5	2.1	1753	7	US-11-293-697-349	Sequence 3749, APPL
425	85.5	2.2	774	6	US-10-525-105-1	Sequence 1, APPL	499	83.5	2.1	431	7	US-11-293-697-488	Sequence 4868, APPL
426	85.5	2.2	774	7	US-11-225-554-111	Sequence 111, APPL	500	83	2.1	673	7	US-11-174-3-07B-700	Sequence 700, APPL
427	85.5	2.2	1019	6	US-10-525-105-22	Sequence 22, APPL	501	83	2.1	1168	7	US-11-174-3-07B-700	Sequence 700, APPL
428	85.5	2.2	1019	6	US-10-525-105-17	Sequence 17, APPL	502	83	2.1	1228	7	US-11-174-3-07B-3188	Sequence 3388, APPL
429	85.5	2.2	1023	6	US-10-525-105-20	Sequence 20, APPL	503	83	2.1	1316	7	US-10-953-3-07B-104	Sequence 7014, APPL
430	85.5	2.2	1024	6	US-10-525-105-15	Sequence 15, APPL	504	83	2.1	1479	7	US-11-174-3-07B-508	Sequence 2554, APPL
431	85.5	2.2	1302	7	US-11-174-3-07B-2424	Sequence 2424, APPL	505	83	2.1	1522	7	US-11-174-3-07B-1098	Sequence 1098, APPL
432	85.5	2.2	1350	7	US-11-174-3-07B-1316	Sequence 1316, APPL	506	83	2.1	1633	7	US-11-293-697-349	Sequence 3749, APPL
433	85.5	2.2	1488	7	US-11-174-3-07B-3986	Sequence 3986, APPL	507	83	2.1	1637	7	US-11-174-3-07B-700	Sequence 1246, APPL
434	85.5	2.2	1518	7	US-11-174-3-07B-742	Sequence 742, APPL	508	83	2.1	1655	7	US-11-174-3-07B-3130	Sequence 3630, APPL
435	85.5	2.2	1597	7	US-11-174-3-07B-618	Sequence 742, APPL	509	83	2.1	1702	7	US-11-174-3-07B-3188	Sequence 3388, APPL
436	85.5	2.2	1784	7	US-11-174-3-07B-2856	Sequence 618, APPL	510	83	2.1	1776	7	US-11-174-3-07B-554	Sequence 2554, APPL
437	85.5	2.2	1796	7	US-11-174-3-07B-910	Sequence 826, APPL	511	83	2.1	1806	7	US-11-174-3-07B-812	Sequence 1098, APPL
438	85.5	2.2	1851	7	US-11-174-3-07B-2240	Sequence 910, APPL	512	83	2.1	1848	7	US-11-174-3-07B-1372	Sequence 1372, APPL
439	85.5	2.2	1973	7	US-11-174-3-07B-1378	Sequence 1378, APPL	513	83	2.1	2085	7	US-11-174-3-07B-954	Sequence 954, APPL
440	85.5	2.2	2079	7	US-11-174-3-07B-4144	Sequence 4144, APPL	514	83	2.1	2179	7	US-11-174-3-07B-2133	Sequence 185, APPL
441	84.5	2.1	363	7	US-11-354-653-82	Sequence 82, APPL	515	82.5	2.1	408	7	US-11-174-3-07B-7440	Sequence 140, APPL
442	84.5	2.1	375	7	US-11-354-653-82	Sequence 82, APPL	516	82.5	2.1	477	6	US-10-953-3-09-11023	Sequence 11023, A
443	84.5	2.1	421	7	US-11-246-999-125	Sequence 18, APPL	517	82.5	2.1	479	6	US-10-953-3-09-11022	Sequence 11022, A
444	84.5	2.1	383	6	US-10-505-288-825	Sequence 825, APPL	518	82.5	2.1	987	7	US-11-174-3-07B-1224	Sequence 1224, APPL
445	84.5	2.1	383	7	US-11-246-999-45	Sequence 45, APPL	519	82.5	2.1	1108	7	US-11-174-3-07B-1122	Sequence 1122, APPL
446	84.5	2.1	383	7	US-11-246-999-126	Sequence 126, APPL	520	82.5	2.1	1215	7	US-11-174-3-07B-233	Sequence 2800, APPL
447	84.5	2.1	383	7	US-11-354-653-29	Sequence 29, APPL	521	82.5	2.1	1300	7	US-11-174-3-07B-250	Sequence 1250, APPL
448	84.5	2.1	413	7	US-11-246-999-125	Sequence 128, APPL	522	82.5	2.1	1375	7	US-11-174-3-07B-622	Sequence 622, APPL
449	84.5	2.1	421	7	US-11-174-714-138	Sequence 18, APPL	523	82.5	2.1	1481	7	US-11-174-3-07B-1162	Sequence 1162, APPL
450	84.5	2.1	547	7	US-11-293-697-2751	Sequence 2151, APPL	524	82.5	2.1	1530	7	US-11-174-3-07B-834	Sequence 854, APPL
451	84.5	2.1	1367	7	US-11-174-3-07B-510	Sequence 510, APPL	525	82.5	2.1	1860	7	US-11-174-3-07B-1132	Sequence 1132, APPL
452	84.5	2.1	1464	7	US-11-174-3-07B-1116	Sequence 1116, APPL	526	82.5	2.1	1938	7	US-11-174-3-07B-996	Sequence 185, APPL
453	84.5	2.1	1720	7	US-11-174-3-07B-3676	Sequence 3676, APPL	527	82	2.1	274	7	US-11-174-3-07B-250	Sequence 2150, APPL
454	84.5	2.1	1859	7	US-11-174-3-07B-940	Sequence 940, APPL	528	82	2.1	274	7	US-11-174-3-07B-253	Sequence 253, APPL
455	84.5	2.1	2062	7	US-11-174-3-07B-876	Sequence 876, APPL	529	82	2.1	758	6	US-10-449-902-554	Sequence 5654, APPL
456	84.5	2.1	2074	7	US-11-174-3-07B-1234	Sequence 1234, APPL	530	82	2.1	863	7	US-11-174-3-07B-2446	Sequence 2446, APPL
457	84.5	2.1	526	6	US-10-449-902-46218	Sequence 46218, APPL	531	82	2.1	1005	7	US-11-174-3-07B-1158	Sequence 1158, APPL
458	84.5	2.1	1294	7	US-11-174-3-07B-2608	Sequence 51492, APPL	532	82	2.1	1029	7	US-11-174-3-07B-900	Sequence 996, APPL
459	84.5	2.1	1432	7	US-11-056-355B-53956	Sequence 55956, A	533	82	2.1	1125	7	US-11-174-3-07B-54	Sequence 9, APPL
460	84.5	2.1	1595	6	US-11-293-697-3163	Sequence 3163, APPL	534	82	2.1	1194	7	US-11-174-3-07B-2228	Sequence 2328, APPL
461	84.5	2.1	1909	6	US-10-521-05-4	Sequence 4, APPL	535	82	2.1	1214	7	US-11-174-3-07B-986	Sequence 986, APPL
462	84.5	2.1	1676	7	US-11-174-3-07B-626	Sequence 628, APPL	536	82	2.1	1245	7	US-11-174-3-07B-850	Sequence 850, APPL
463	84.5	2.1	1759	7	US-11-174-3-07B-942	Sequence 942, APPL	537	82	2.1	1283	7	US-11-174-3-07B-678	Sequence 678, APPL
464	84.5	2.1	1764	7	US-11-174-3-07B-900	Sequence 900, APPL	538	82	2.1	1449	7	US-11-174-3-07B-1362	Sequence 1158, APPL
465	84.5	2.1	1792	7	US-11-174-3-07B-1192	Sequence 1192, APPL	539	82	2.1	1462	7	US-11-174-3-07B-1412	Sequence 1412, APPL
466	84.5	2.1	1811	7	US-11-174-3-07B-924	Sequence 946, APPL	540	82	2.1	1504	7	US-11-174-3-07B-922	Sequence 2456, APPL
467	84.5	2.1	1818	7	US-11-174-3-07B-586	Sequence 536, APPL	541	82	2.1	1653	7	US-11-174-3-07B-826	Sequence 73161, APPL
468	84.5	2.1	1847	7	US-11-174-3-07B-2852	Sequence 2052, APPL	542	82	2.1	1680	7	US-11-174-3-07B-712	Sequence 712, APPL
469	84.5	2.1	1850	7	US-11-174-3-07B-612	Sequence 612, APPL	543	82	2.1	1957	7	US-11-174-3-07B-2192	Sequence 2192, APPL
470	84.5	2.1	1857	7	US-11-174-3-07B-2172	Sequence 5142, APPL	544	81.5	2.1	382	7	US-11-174-3-07B-653-50	Sequence 50, APPL
471	84.5	2.1	1917	7	US-11-174-3-07B-2192	Sequence 941, APPL	545	81.5	2.1	407	7	US-11-174-3-07B-42595	Sequence 4, APPL
472	84.5	2.1	1918	7	US-11-174-3-07B-2192	Sequence 942, APPL	546	81.5	2.1	477	7	US-10-449-902-42595	Sequence 42595, APPL
473	84.5	2.1	1919	7	US-11-174-3-07B-2192	Sequence 943, APPL	547	81.5	2.1	800	7	US-11-174-3-07B-73161	Sequence 73161, APPL
474	84.5	2.1	1919	7	US-11-174-3-07B-612	Sequence 613, APPL	548	81.5	2.1	862	6	US-10-449-902-55517	Sequence 55517, APPL
475	84.5	2.1	1917	7	US-11								

552	81.5	2.1	994	7	US-11-174-307B-918	Sequence 918, App	625	80	2.0	254	7	US-11-030-653-18
553	81.5	2.1	1161	7	US-11-174-307B-1150	Sequence 1150, App	626	80	2.0	335	6	US-10-511-937-2469
554	81.5	2.1	1370	7	US-11-174-307B-858	Sequence 858, App	627	80	2.0	350	6	US-10-520-783-10
555	81.5	2.1	1542	7	US-11-174-307B-1248	Sequence 1248, App	628	80	2.0	442	6	US-10-449-902-46671
556	81.5	2.1	1610	7	US-11-174-307B-1472	Sequence 1472, App	629	80	2.0	533	6	US-10-449-902-43727
557	81.5	2.1	1761	7	US-11-174-307B-1306	Sequence 1306, App	630	80	2.0	1017	7	US-11-174-307B-956
558	81.5	2.1	1771	7	US-11-174-307B-928	Sequence 928, App	631	80	2.0	1053	7	US-11-174-307B-1230
559	81.5	2.1	1786	7	US-11-174-307B-602	Sequence 602, App	632	80	2.0	1217	7	US-11-174-307B-186
560	81.5	2.1	2013	7	US-11-174-307B-1226	Sequence 1226, App	633	80	2.0	1283	7	US-11-174-307B-578
561	81.5	2.1	243	7	US-11-174-307B-13	Sequence 13, Appl	634	80	2.0	1335	7	US-11-174-307B-1036
562	81.5	2.1	324	6	US-10-449-902-50892	Sequence 50892, App	635	80	2.0	1485	7	US-11-174-307B-1180
563	81.5	2.1	325	7	US-11-293-697-3615	Sequence 3615, App	636	80	2.0	1914	7	US-11-174-307B-1256
564	81.5	2.1	426	6	US-10-449-902-51413	Sequence 5143, App	637	80	2.0	2124	7	US-11-174-307B-3446
565	81.5	2.1	523	6	US-10-953-349-8162	Sequence 8162, App	638	80	2.0	3696	7	US-11-330-363-4
566	81.5	2.1	662	7	US-10-953-349-1607	Sequence 1607, App	639	79.5	2.0	33	7	US-11-133-871-1040
567	81.5	2.1	662	7	US-11-056-355B-38224	Sequence 38224, App	640	79.5	2.0	195	6	US-11-056-355B-73250
568	81.5	2.1	662	7	US-11-056-355B-103367	Sequence 103367, App	641	79.5	2.0	217	6	US-10-471-571A-4354
569	81.5	2.1	662	7	US-11-056-355B-114606	Sequence 114606, App	642	79.5	2.0	6	US-10-449-902-37451	
570	81.5	2.1	732	6	US-10-953-349-1606	Sequence 1605, App	643	79.5	2.0	407	6	US-10-449-902-36216
571	81.5	2.1	732	7	US-11-056-355B-38223	Sequence 38223, App	644	79.5	2.0	801	6	Sequence 4, Appl
572	81.5	2.1	732	7	US-11-056-355B-103366	Sequence 103366, App	645	79.5	2.0	868	7	Sequence 100, App
573	81.5	2.1	732	7	US-11-056-355B-114605	Sequence 114605, App	646	79.5	2.0	923	7	Sequence 7250, App
574	81.5	2.1	754	6	US-10-953-349-1605	Sequence 1605, App	647	79.5	2.0	1077	7	Sequence 4354, App
575	81.5	2.1	754	7	US-11-056-355B-38222	Sequence 38222, App	648	79.5	2.0	1088	7	Sequence 31451, App
576	81.5	2.1	754	7	US-11-056-355B-103365	Sequence 103365, App	649	79.5	2.0	1097	7	Sequence 3146, App
577	81.5	2.1	754	7	US-11-056-355B-114604	Sequence 114604, App	650	79.5	2.0	1254	7	Sequence 3147, App
578	81.5	2.1	765	7	US-11-165-586-36	Sequence 36, App	651	79.5	2.0	1263	7	Sequence 3148, App
579	81.5	2.1	1135	7	US-11-174-307B-2204	Sequence 2204, App	652	79.5	2.0	1307	7	Sequence 3149, App
580	81.5	2.1	1153	7	US-11-174-307B-1236	Sequence 1236, App	653	79.5	2.0	1346	7	Sequence 3150, App
581	81.5	2.1	1233	7	US-11-174-307B-734	Sequence 734, App	654	79.5	2.0	1376	7	Sequence 3152, App
582	81.5	2.1	1573	7	US-11-174-307B-994	Sequence 994, App	655	79.5	2.0	1421	7	Sequence 73529, App
583	81.5	2.1	1395	7	US-11-174-307B-1130	Sequence 1130, App	656	79.5	2.0	1446	7	Sequence 73528, App
584	81.5	2.1	1432	7	US-11-174-307B-1100	Sequence 1100, App	657	79.5	2.0	1713	7	Sequence 11-174-307B-1290
585	81.5	2.1	1436	7	US-11-174-307B-958	Sequence 958, App	658	79.5	2.0	1744	7	Sequence 11-174-307B-4164
586	81.5	2.1	1443	7	US-11-174-307B-870	Sequence 870, App	659	79.5	2.0	2762	7	Sequence 4164, App
587	81.5	2.1	1510	7	US-11-174-307B-584	Sequence 584, App	660	661	2.0	383	6	Sequence 4165, App
588	81.5	2.1	2153	7	US-11-174-307B-770	Sequence 770, App	662	79.5	2.0	497	6	Sequence 4166, App
589	81.5	2.1	1599	7	US-11-174-307B-1050	Sequence 1050, App	663	79.5	2.0	579	6	Sequence 4167, App
590	81.5	2.1	1641	7	US-11-174-307B-760	Sequence 760, App	664	79.5	2.0	672	6	Sequence 4168, App
591	81.5	2.1	1828	7	US-11-174-307B-8825	Sequence 8825, App	665	79.5	2.0	869	7	Sequence 4169, App
592	81.5	2.1	1842	7	US-11-174-307B-92581	Sequence 92581, App	666	79.5	2.0	871	7	Sequence 4170, App
593	81.5	2.1	1842	7	US-11-174-307B-41963	Sequence 82005, App	667	79.5	2.0	928	6	Sequence 4171, App
594	81.5	2.1	1895	7	US-11-174-307B-82004	Sequence 82004, App	668	79.5	2.0	1007	7	Sequence 4172, App
595	81.5	2.1	3658	7	US-11-174-307B-1668	Sequence 82003, App	669	79.5	2.0	1181	7	Sequence 4173, App
596	81.5	2.0	805	7	US-11-217-997-43	Sequence 1668, App	670	79.5	2.0	1250	7	Sequence 4174, App
597	80.5	2.0	220	7	US-11-056-355B-41964	Sequence 41864, App	671	79.5	2.0	1268	7	Sequence 4175, App
598	80.5	2.0	221	7	US-11-056-355B-41963	Sequence 41863, App	672	79.5	2.0	1306	7	Sequence 4176, App
599	80.5	2.0	600	7	US-11-056-355B-41961	Sequence 41761, App	673	79.5	2.0	1325	6	Sequence 4177, App
600	80.5	2.0	470	7	US-11-056-355B-119000	Sequence 119000, App	674	79.5	2.0	1449	7	Sequence 4178, App
601	80.5	2.0	620	7	US-11-056-355B-107760	Sequence 107760, App	675	79.5	2.0	1493	7	Sequence 4179, App
602	80.5	2.0	603	2	US-11-056-355B-118999	Sequence 118999, App	676	79.5	2.0	1537	7	Sequence 4180, App
603	80.5	2.0	625	6	US-10-449-902-55581	Sequence 55581, App	677	79.5	2.0	1554	7	Sequence 4181, App
604	80.5	2.0	605	7	US-11-056-355B-107759	Sequence 107759, App	678	79.5	2.0	1579	7	Sequence 4182, App
605	80.5	2.0	626	7	US-11-056-355B-118998	Sequence 118998, App	679	79.5	2.0	1681	7	Sequence 4183, App
606	80.5	2.0	728	6	US-10-449-902-44535	Sequence 44535, App	680	79.5	2.0	1711	7	Sequence 4184, App
607	80.5	2.0	1085	7	US-11-174-307B-600	Sequence 241, App	681	79.5	2.0	1722	6	Sequence 4185, App
608	80.5	2.0	742	7	US-11-289-102-241	Sequence 6, Appl	682	79.5	2.0	1736	7	Sequence 4186, App
609	80.5	2.0	798	7	US-11-292-634-6	Sequence 41328, App	683	79.5	2.0	1816	7	Sequence 4187, App
610	80.5	2.0	823	7	US-11-056-355B-84007	Sequence 84007, App	684	79.5	2.0	1844	7	Sequence 4188, App
611	80.5	2.0	943	6	US-10-449-902-55109	Sequence 55109, App	685	79.5	2.0	2337	7	Sequence 4189, App
612	80.5	2.0	1055	7	US-11-174-307B-3194	Sequence 3194, App	686	79.5	2.0	62	7	Sequence 4190, App
613	80.5	2.0	1085	7	US-11-174-307B-600	Sequence 600, App	687	78.5	2.0	157	7	Sequence 4191, App
614	80.5	2.0	1162	7	US-11-174-307B-2244	Sequence 224, App	688	78.5	2.0	170	7	Sequence 4192, App
615	80.5	2.0	1234	7	US-11-174-307B-6552	Sequence 6552, App	689	78.5	2.0	194	7	Sequence 4193, App
616	80.5	2.0	1310	6	US-10-449-902-41328	Sequence 41328, App	690	78.5	2.0	464	6	Sequence 4194, App
617	80.5	2.0	1322	7	US-11-174-307B-592	Sequence 592, App	691	78.5	2.0	986	7	Sequence 4195, App
618	80.5	2.0	1407	7	US-11-174-307B-648	Sequence 648, App	692	78.5	2.0	1017	7	Sequence 4196, App
619	80.5	2.0	1448	7	US-11-174-307B-2194	Sequence 214, App	693	78.5	2.0	1055	7	Sequence 4197, App
620	80.5	2.0	1517	7	US-11-174-307B-1202	Sequence 1202, App	694	78.5	2.0	1174	7	Sequence 4198, App
621	80.5	2.0	1549	7	US-11-174-307B-552	Sequence 552, App	695	78.5	2.0	1194	7	Sequence 4199, App
622	80.5	2.0	1662	7	US-11-174-307B-1966	Sequence 1966, App	696	78.5	2.0	1221	7	Sequence 4200, App
623	80.5	2.0	1865	7	US-11-174-307B-2174	Sequence 2174, App	697	78.5	2.0	1222	7	Sequence 4201, App
624	80.5	2.0	197	6	US-11-174-307B-153-1	Sequence 1, Appl	698	78.5	2.0	1291	7	Sequence 4202, App

698	78.5	2.0	1336	7	US-11-174-307B-532	Sequence 532, App	771	77.5	2.0	1101	7	US-11-056-355B-92745
699	78.5	2.0	1396	7	US-11-174-307B-2698	Sequence 2698, App	772	77.5	2.0	1182	7	US-11-174-307B-1872
700	78.5	2.0	1481	7	US-11-174-307B-878	Sequence 878, App	773	77.5	2.0	1212	7	US-11-174-307B-1696
701	78.5	2.0	1495	7	US-11-174-307B-776	Sequence 776, App	774	77.5	2.0	1228	7	US-11-174-307B-980
702	78.5	2.0	1645	6	US-10-505-928-582	Sequence 582, App	775	77.5	2.0	1259	7	US-11-056-355B-88988
703	78.5	2.0	1696	7	US-11-174-307B-630	Sequence 630, App	776	77.5	2.0	1259	7	US-11-056-355B-9744
704	78.5	2.0	1863	7	US-11-174-307B-1830	Sequence 1830, App	777	77.5	2.0	1261	7	US-11-174-307B-668
705	78.5	2.0	1918	7	US-11-174-307B-692	Sequence 692, App	778	77.5	2.0	1365	7	US-11-174-307B-2318
706	78.5	2.0	2101	7	US-11-174-307B-778	Sequence 778, App	780	77.5	2.0	1404	7	US-11-174-307B-1240
707	78.5	2.0	2327	7	US-11-174-307B-1292	Sequence 1292, App	781	77.5	2.0	1471	7	US-11-174-307B-1160
708	78.5	2.0	2366	7	US-11-174-307B-804	Sequence 804, App	782	77.5	2.0	1487	7	US-11-174-307B-656
709	78.5	2.0	304	6	US-10-492-902-54577	Sequence 54577, A	783	77.5	2.0	1600	7	US-11-174-307B-54
711	78	2.0	353	7	US-11-355-41-2	Sequence 2, App	784	77.5	2.0	1600	7	US-11-174-307B-754
712	78	2.0	382	6	US-10-953-349-2679	Sequence 2679, App	785	77.5	2.0	1648	7	US-11-174-307B-670
713	78	2.0	382	7	US-11-056-335B-43481	Sequence 43481, A	786	77.5	2.0	1705	7	US-11-174-307B-1152
714	78	2.0	382	7	US-11-056-335B-84828	Sequence 84828, A	787	77.5	2.0	1713	7	US-11-174-307B-3720
715	78	2.0	401	6	US-10-953-349-2678	Sequence 2678, App	788	77.5	2.0	1735	7	US-11-174-307B-2246
716	78	2.0	401	7	US-11-056-335B-84829	Sequence 43480, A	789	77.5	2.0	1868	7	US-11-174-307B-4320
717	78	2.0	401	7	US-10-952-902-53143	Sequence 53143, A	790	77.5	2.0	2062	7	US-11-174-307B-1454
718	78	2.0	412	7	US-11-337-061-2	Sequence 2, App	791	77.5	2.0	3460	7	US-10-505-928-104
719	78	2.0	413	6	US-10-953-349-2677	Sequence 2677, App	792	77.5	2.0	3460	7	US-11-217-937-10
720	78	2.0	413	7	US-11-056-335B-43479	Sequence 43479, A	793	77	2.0	167	6	US-10-449-902-23673
721	78	2.0	479	6	US-10-953-928-835	Sequence 835, App	794	77	2.0	167	6	US-10-449-902-3246
722	78	2.0	497	7	US-10-449-902-53133	Sequence 53133, A	795	77	2.0	173	7	US-11-217-937-36
723	78	2.0	502	6	US-10-449-902-53143	Sequence 4296, App	796	77	2.0	173	7	US-11-056-355B-9911
724	78	2.0	502	7	US-11-337-061-2	Sequence 2, App	797	77	2.0	294	7	US-11-056-355B-49909
725	78	2.0	565	7	US-11-292-634-2	Sequence 2, App	798	77	2.0	308	7	US-11-217-937-10
726	78	2.0	864	6	US-10-449-902-46975	Sequence 46975, App	799	77	2.0	317	7	US-11-315-825-26
727	78	2.0	987	7	US-11-259-133-26	Sequence 26, App	801	77	2.0	452	7	US-11-056-355B-23445
728	78	2.0	987	7	US-11-226-154-100	Sequence 100, App	802	77	2.0	456	7	US-11-056-355B-23445
729	78	2.0	1027	7	US-11-174-307B-4296	Sequence 4296, App	803	77	2.0	286	7	US-10-449-902-30555
730	78	2.0	1049	7	US-11-174-307B-624	Sequence 624, App	804	77	2.0	294	7	US-11-056-355B-49911
731	78	2.0	1049	7	US-11-174-307B-624	Sequence 51003, A	805	77	2.0	547	7	US-11-049-902-5005
732	78	2.0	1068	6	US-10-449-902-51003	Sequence 506, App	806	77	2.0	604	7	US-11-372-770-75
733	78	2.0	1168	7	US-11-174-307B-3226	Sequence 3226, App	807	77	2.0	695	7	US-11-056-355B-23445
734	78	2.0	1379	7	US-11-174-307B-646	Sequence 646, App	808	77	2.0	698	7	US-11-056-355B-73409
735	78	2.0	1395	7	US-11-056-335B-99178	Sequence 99178, A	809	77	2.0	699	7	US-11-056-355B-46826
736	78	2.0	1395	7	US-11-056-335B-11047	Sequence 11047, App	810	77	2.0	700	7	US-11-049-902-5005
737	78	2.0	1396	7	US-11-174-307B-1102	Sequence 1102, App	811	77	2.0	705	7	US-11-292-634-4
738	78	2.0	1478	7	US-11-174-307B-710	Sequence 710, App	812	77	2.0	705	7	US-11-056-355B-73408
739	78	2.0	1483	7	US-11-174-307B-502	Sequence 5082, App	813	77	2.0	821	7	US-11-322-389-10
740	78	2.0	1549	7	US-11-174-307B-608	Sequence 608, App	814	77	2.0	824	7	US-11-056-355B-66824
741	78	2.0	1733	7	US-11-174-307B-814	Sequence 814, App	815	77	2.0	836	7	US-10-449-902-47466
742	78	2.0	1733	7	US-11-174-307B-674	Sequence 674, App	816	77	2.0	1050	7	US-11-174-307B-2762
743	78	2.0	1753	7	US-11-174-307B-1070	Sequence 1070, App	817	77	2.0	1156	7	US-11-174-307B-3764
744	78	2.0	1937	7	US-11-174-307B-3074	Sequence 3074, App	818	77	2.0	1201	7	US-11-174-307B-2186
745	78	2.0	2016	7	US-11-174-307B-2188	Sequence 2188, App	819	77	2.0	1233	7	US-11-174-307B-784
746	78	2.0	2017	7	US-11-174-307B-2682	Sequence 2682, App	820	77	2.0	1310	7	US-11-174-307B-1186
747	78	2.0	2030	7	US-11-174-307B-3682	Sequence 3682, App	821	77	2.0	1319	7	US-11-174-307B-774
748	77.5	2.0	2095	7	US-11-140-450-63	Sequence 89931, A	822	77	2.0	1394	7	US-11-174-307B-640
749	77.5	2.0	195	7	US-11-056-335B-8931	Sequence 93687, A	823	77	2.0	1401	7	US-11-174-307B-764
750	77.5	2.0	195	7	US-11-056-335B-93687	Sequence 3074, App	824	77	2.0	1431	7	US-11-174-307B-1112
751	77.5	2.0	255	7	US-11-355-3373-3	Sequence 8930, A	825	77	2.0	1449	7	US-11-174-307B-784
752	77.5	2.0	255	7	US-11-056-335B-93686	Sequence 93686, A	826	77	2.0	1462	7	US-11-174-307B-1174
753	77.5	2.0	299	7	US-11-291-697-3744	Sequence 344, App	827	77	2.0	1482	7	US-11-174-307B-880
754	77.5	2.0	315	7	US-11-140-450-63	Sequence 63, App	828	77	2.0	1532	7	US-11-056-335B-86755
755	77.5	2.0	324	6	US-10-449-902-31015	Sequence 31015, A	829	77	2.0	1552	7	US-11-174-307B-1110
756	77.5	2.0	324	6	US-10-449-902-54402	Sequence 54402, A	830	77	2.0	1552	7	US-11-056-335B-86755
757	77.5	2.0	324	6	US-10-449-902-56347	Sequence 56347, A	831	77	2.0	1663	7	US-11-174-307B-938
758	77.5	2.0	363	7	US-11-299-697-3979	Sequence 3979, App	832	77	2.0	2325	7	US-11-174-307B-5472
759	77.5	2.0	404	7	US-11-291-697-4601	Sequence 4601, App	833	76.5	1.9	58	7	US-11-324-346-7
760	77.5	2.0	517	7	US-11-056-335B-53957	Sequence 53957, A	834	76.5	1.9	194	7	US-11-056-335B-89932
761	77.5	2.0	531	7	US-11-293-697-2762	Sequence 2762, App	835	76.5	1.9	194	7	US-11-056-335B-93686
762	77.5	2.0	552	7	US-11-174-307B-192	Sequence 192, App	836	76.5	1.9	229	7	US-10-953-349-34755
763	77.5	2.0	599	7	US-11-313-313-63	Sequence 3, App	837	76.5	1.9	254	6	US-10-953-349-34755
764	77.5	2.0	711	7	US-11-174-307B-4400	Sequence 4400, App	838	76.5	1.9	274	7	US-11-056-335B-37586
765	77.5	2.0	888	7	US-11-174-307B-852	Sequence 852, App	839	76.5	1.9	280	6	US-11-053-349-34743
766	77.5	2.0	931	7	US-11-174-307B-2082	Sequence 2082, App	840	76.5	1.9	289	7	US-11-056-335B-37585
767	77.5	2.0	1035	7	US-11-174-307B-1704	Sequence 1704, App	841	76.5	1.9	291	6	US-10-953-349-1982
768	77.5	2.0	1067	7	US-11-06-335B-88950	Sequence 88950, A	842	76.5	1.9	291	7	US-11-056-335B-37584
769	77.5	2.0	1067	7	US-11-056-335B-9246	Sequence 9246, A	843	76.5	1.9	291	7	US-11-056-335B-56600
770	77.5	2.0	1101	7	US-11-056-335B-88999	Sequence 88999, A	844	76.5	1.9	302	6	US-10-953-349-10130

845	76.5	303	6	US-10-953-349-19821 Sequence 19821, A	918	75.5	1.9	197	7	US-11-211-917-139 Sequence 19821, A	
846	76.5	303	7	US-11-056-355B-55599 Sequence 19820, A	919	75.5	1.9	237	6	US-10-504-973-22 Sequence 22, App	
847	76.5	309	6	US-10-953-349-19820 Sequence 19820, A	920	75.5	1.9	277	6	US-10-511-937-2518 Sequence 25, App	
848	76.5	309	7	US-11-056-355B-55598 Sequence 19820, A	921	75.5	1.9	277	6	US-11-170-797-5 Sequence 5, App	
849	76.5	331	6	US-10-953-349-19129 Sequence 10129, A	922	75.5	1.9	283	6	US-10-449-902-49086 Sequence 49086, A	
850	76.5	419	7	US-11-056-355B-48547 Sequence 48547, A	923	75.5	1.9	315	7	US-11-140-450-62 Sequence 62, App	
851	76.5	464	6	US-10-481-015-17 Sequence 17, App	924	75.5	1.9	323	6	US-10-410-902-56777 Sequence 56777, A	
852	76.5	483	7	US-11-056-355B-48546 Sequence 48546, A	925	75.5	1.9	361	6	US-10-449-902-48803 Sequence 48803, A	
853	76.5	804	6	US-10-449-902-53390 Sequence 53390, A	926	75.5	1.9	409	6	US-10-449-902-31249 Sequence 31249, A	
854	76.5	824	7	US-11-174-307B-1042 Sequence 1042, App	927	75.5	1.9	409	7	US-10-449-902-49417 Sequence 49417, A	
855	76.5	824	7	US-11-174-307B-1042 Sequence 1042, App	928	75.5	1.9	553	7	US-11-231-089-6 Sequence 6, App	
856	76.5	924	6	US-10-449-902-41181 Sequence 41181, A	929	75.5	1.9	553	7	US-11-231-089-8 Sequence 8, App	
857	76.5	1125	7	US-11-174-307B-650 Sequence 650, App	930	75.5	1.9	595	7	US-11-231-697-4475 Sequence 4175, App	
858	76.5	1187	7	US-11-174-307B-1142 Sequence 1142, App	931	75.5	1.9	633	7	US-11-372-770-13 Sequence 13, App	
859	76.5	1188	7	US-11-174-307B-1544 Sequence 1544, App	932	75.5	1.9	700	7	US-11-246-999-49 Sequence 4999, App	
860	76.5	1252	7	US-11-174-307B-1286 Sequence 966, App	933	75.5	1.9	756	7	US-10-413-902-43486 Sequence 43486, A	
861	76.5	1259	7	US-11-223-945-40 Sequence 40, App	934	75.5	1.9	802	7	US-11-174-307B-5486 Sequence 5486, App	
862	76.5	1275	7	US-11-174-307B-1886 Sequence 1886, App	935	75.5	1.9	860	6	US-10-449-902-35078 Sequence 35078, A	
863	76.5	1378	7	US-11-174-307B-2818 Sequence 2818, App	936	75.5	1.9	989	6	US-10-413-902-41201 Sequence 41201, A	
864	76.5	1383	7	US-11-174-307B-1782 Sequence 1782, App	937	75.5	1.9	1022	7	US-11-174-307B-710 Sequence 710, App	
865	76.5	1413	7	US-11-174-307B-1286 Sequence 1286, App	938	75.5	1.9	1049	7	US-11-174-307B-468 Sequence 468, App	
866	76.5	1433	7	US-11-174-307B-1200 Sequence 1200, App	939	75.5	1.9	1103	7	US-11-174-307B-2450 Sequence 2450, App	
867	76.5	1482	7	US-11-174-307B-1804 Sequence 1804, App	940	75.5	1.9	1179	7	US-11-174-307B-508 Sequence 508, App	
868	76.5	1482	7	US-11-174-307B-1804 Sequence 1804, App	941	75.5	1.9	1191	7	US-11-174-307B-2166 Sequence 2166, App	
869	76.5	1482	7	US-11-174-307B-2236 Sequence 2236, App	942	75.5	1.9	1210	7	US-11-294-621-512 Sequence 512, App	
870	76.5	1512	7	US-11-174-307B-550 Sequence 550, App	943	75.5	1.9	1210	7	US-11-174-307B-710 Sequence 710, App	
871	76.5	1649	7	US-11-174-307B-860 Sequence 860, App	944	75.5	1.9	1210	7	US-11-174-307B-468 Sequence 468, App	
872	76.5	1673	7	US-11-174-307B-1178 Sequence 1178, App	945	75.5	1.9	1230	7	US-11-174-307B-1156 Sequence 1156, App	
873	76.5	1698	7	US-11-174-307B-718 Sequence 718, App	946	75.5	1.9	1336	7	US-11-174-307B-904 Sequence 904, App	
874	76.5	1721	7	US-11-174-307B-1148 Sequence 1148, App	947	75.5	1.9	1345	7	US-11-174-307B-2285 Sequence 2285, App	
875	76.5	1765	6	US-10-933-854-3 Sequence 3, App	948	75.5	1.9	1357	7	US-11-174-307B-1946 Sequence 1946, App	
876	76.5	1934	7	US-11-174-307B-1742 Sequence 1742, App	949	75.5	1.9	1358	7	US-11-174-307B-2238 Sequence 2238, App	
877	76.5	2068	7	US-11-174-307B-1032 Sequence 1032, App	950	75.5	1.9	1439	7	US-11-174-307B-3364 Sequence 3364, App	
878	76.5	3060	7	US-11-174-307B-1532 Sequence 1532, App	951	75.5	1.9	1456	7	US-10-501-928-69 Sequence 69, App	
879	76.5	19	167	US-10-953-349-25384 Sequence 25384, A	952	75.5	1.9	1457	7	US-11-174-307B-1094 Sequence 1094, App	
880	76.5	186	7	US-11-056-355B-41965 Sequence 41965, A	953	75.5	1.9	1462	7	US-11-174-307B-1056 Sequence 1056, App	
881	76.5	19	292	7	US-11-056-355B-41965 Sequence 41965, A	954	75.5	1.9	1488	7	US-11-174-307B-4372 Sequence 4372, App
882	76.5	350	6	US-10-953-349-8163 Sequence 8163, App	955	75.5	1.9	1522	7	US-11-174-307B-306 Sequence 306, App	
883	76.5	473	6	US-10-449-902-52619 Sequence 52619, A	956	75.5	1.9	1523	7	US-11-174-307B-786 Sequence 786, App	
884	76.5	642	6	US-10-449-902-55943 Sequence 55943, A	957	75.5	1.9	1602	7	US-11-174-307B-688 Sequence 688, App	
885	76.5	642	6	US-10-449-902-55943 Sequence 55943, A	958	75.5	1.9	1659	7	US-11-174-307B-3184 Sequence 3184, App	
886	76.5	682	6	US-10-480-021-8 Sequence 8, App	959	75.5	1.9	1691	7	US-11-174-307B-762 Sequence 762, App	
887	76.5	740	6	US-10-449-902-41300 Sequence 41300, A	960	75.5	1.9	1721	7	US-11-174-307B-3508 Sequence 3508, App	
888	76.5	764	6	US-10-449-902-41300 Sequence 41300, A	961	75.5	1.9	1723	7	US-11-174-307B-908 Sequence 908, App	
889	76.5	838	7	US-11-056-355B-89192 Sequence 89192, A	962	75.5	1.9	1942	7	US-11-174-307B-1096 Sequence 1096, App	
890	76.5	927	7	US-11-056-355B-89190 Sequence 89190, A	963	75.5	1.9	1988	7	US-11-174-307B-2860 Sequence 2860, App	
891	76.5	1149	7	US-11-174-307B-4390 Sequence 4390, App	964	75.5	1.9	2072	7	US-11-174-307B-1184 Sequence 1184, App	
892	76.5	1254	7	US-11-174-307B-686 Sequence 686, App	965	75.5	1.9	2117	7	US-11-174-307B-2836 Sequence 2836, App	
893	76.5	1292	7	US-11-174-307B-3538 Sequence 3538, App	966	75.5	1.9	2273	7	US-11-174-307B-1466 Sequence 1466, App	
894	76.5	1298	7	US-11-174-307B-970 Sequence 970, App	967	75.5	1.9	2282	7	US-11-174-307B-722 Sequence 722, App	
895	76.5	1343	7	US-11-174-307B-914 Sequence 914, App	968	75.5	1.9	2791	7	US-11-174-307B-2826 Sequence 2826, App	
896	76.5	1348	7	US-11-174-307B-2882 Sequence 2882, App	969	75.5	1.9	2973	7	US-11-174-307B-1566 Sequence 1566, App	
897	76.5	1382	7	US-11-174-307B-828 Sequence 828, App	970	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
898	76.5	1395	7	US-11-174-307B-2624 Sequence 2624, App	971	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
899	76.5	1396	7	US-11-174-307B-356 Sequence 356, App	972	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
900	76.5	1413	7	US-11-174-307B-970 Sequence 970, App	973	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
901	76.5	1329	7	US-11-174-307B-314 Sequence 314, App	974	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
902	76.5	1419	7	US-11-174-307B-2882 Sequence 2882, App	975	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
903	76.5	1455	7	US-11-174-307B-962 Sequence 962, App	976	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
904	76.5	1455	7	US-11-174-307B-2402 Sequence 2402, App	977	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
905	76.5	1455	7	US-11-174-307B-2624 Sequence 2624, App	978	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
906	76.5	1455	7	US-11-174-307B-356 Sequence 356, App	979	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
907	76.5	1455	7	US-11-174-307B-970 Sequence 970, App	980	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
908	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	981	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
909	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	982	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
910	76.5	1455	7	US-11-174-307B-1140 Sequence 1140, App	983	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
911	76.5	1455	7	US-11-174-307B-1400 Sequence 1400, App	984	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
912	76.5	1455	7	US-11-174-307B-2230 Sequence 2230, App	985	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
913	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	986	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
914	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	987	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
915	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	988	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
916	76.5	1455	7	US-11-174-307B-552 Sequence 552, App	989	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	
917	76.5	1455	7	US-10-953-349-2992 Sequence 2992, App	990	75.5	1.9	4834	6	US-10-505-928-827 Sequence 827, App	

991	75	1.9	1167	7	US-11-174-307B-2734	Sequence 2734, AP	1065	74	1.9	307	7	US-11-056-355B-31027	Sequence 31027, A
992	75	1.9	1195	7	US-11-174-307B-2420	Sequence 2420, AP	1066	74	1.9	307	7	US-11-056-355B-31617	Sequence 34617, A
993	75	1.9	1199	7	US-11-174-307B-392	Sequence 392, AP	1067	74	1.9	308	6	US-10-953-349-20717	Sequence 20717, A
994	75	1.9	1205	7	US-11-174-307B-2392	Sequence 2392, AP	1068	74	1.9	311	7	US-11-056-355B-31026	Sequence 31026, A
995	75	1.9	1242	7	US-11-174-307B-1058	Sequence 1058, AP	1069	74	1.9	311	7	US-11-056-355B-31616	Sequence 34616, A
996	75	1.9	1245	7	US-11-174-307B-1904	Sequence 1904, AP	1070	74	1.9	312	6	US-10-449-902-28963	Sequence 28963, A
997	75	1.9	1254	7	US-11-174-307B-1038	Sequence 1038, AP	1071	74	1.9	322	6	US-10-449-902-1147	Sequence 31147, A
998	75	1.9	1276	7	US-11-174-307B-768	Sequence 768, AP	1072	74	1.9	334	6	US-10-449-902-36542	Sequence 36542, A
999	75	1.9	1335	7	US-11-174-307B-3964	Sequence 3964, AP	1073	74	1.9	334	6	US-10-449-902-28959	Sequence 28959, A
1000	75	1.9	1343	7	US-11-174-307B-1146	Sequence 1146, AP	1074	74	1.9	359	7	US-11-056-355B-71729	Sequence 71729, A
1001	75	1.9	1370	7	US-11-174-307B-2124	Sequence 2124, AP	1075	74	1.9	367	6	US-10-553-349-76956	Sequence 27896, A
1002	75	1.9	1452	7	US-11-174-307B-926	Sequence 926, AP	1076	74	1.9	367	7	US-11-056-355B-61218	Sequence 69128, A
1003	75	1.9	1479	7	US-11-174-307B-460	Sequence 460, AP	1077	74	1.9	403	7	US-11-056-355B-71727	Sequence 71727, A
1004	75	1.9	1873	7	US-11-174-307B-2384	Sequence 845, AP	1079	74	1.9	423	7	US-11-233-059-44	Sequence 3406, AP
1005	75	1.9	2103	7	US-11-174-307B-5496	Sequence 2304, AP	1080	74	1.9	442	6	US-10-953-349-28959	Sequence 28959, A
1006	75	1.9	2169	7	US-11-051-725-5	Sequence 792, AP	1081	74	1.9	442	6	US-11-056-355B-61217	Sequence 69127, A
1007	75	1.9	1692	7	US-11-174-307B-2858	Sequence 2058, AP	1082	74	1.9	476	6	US-10-953-349-27094	Sequence 27894, A
1008	75	1.9	1709	7	US-11-174-307B-3210	Sequence 3210, AP	1083	74	1.9	476	7	US-11-056-355B-61216	Sequence 69126, A
1009	75	1.9	1861	7	US-11-174-307B-1744	Sequence 1744, AP	1084	74	1.9	543	7	US-11-174-307B-3106	Sequence 3406, AP
1010	75	1.9	1917	7	US-11-174-307B-846	Sequence 12144, A	1085	74	1.9	551	7	US-11-233-059-44	Sequence 3406, AP
1011	75	1.9	2109	7	US-11-174-307B-5496	Sequence 5496, AP	1086	74	1.9	626	6	US-10-449-902-50661	Sequence 50861, A
1012	75	1.9	2169	7	US-11-051-725-5	Sequence 5, AP1	1087	74	1.9	631	7	US-11-312-988-60	Sequence 60, AP1
1013	75	1.9	3020	7	US-11-140-487A-772	Sequence 772, AP	1088	74	1.9	631	7	US-11-248-956-28	Sequence 28, AP1
1014	75	1.9	3723	7	US-11-174-307B-2802	Sequence 2802, AP	1089	74	1.9	692	6	US-10-370-939-5	Sequence 69125, A
1015	75	1.9	379	7	US-11-254-854-42	Sequence 57541, A	1090	74	1.9	692	6	US-11-056-355B-8776	Sequence 8776, A
1016	75	1.9	290	7	US-11-254-869-42	Sequence 42, AP1	1091	74	1.9	730	7	US-11-370-42-7	Sequence 3406, AP
1017	75	1.9	223	7	US-11-056-355B-12144	Sequence 12144, A	1092	74	1.9	778	7	US-11-056-355B-83751	Sequence 83751, A
1018	75	1.9	242	7	US-11-056-355B-12143	Sequence 12143, A	1093	74	1.9	778	7	US-11-056-355B-87750	Sequence 87750, A
1019	75	1.9	260	6	US-10-511-937-2519	Sequence 2519, AP	1094	74	1.9	780	7	US-11-056-355B-8774	Sequence 8774, A
1020	75	1.9	279	7	US-11-056-355B-12142	Sequence 12142, A	1095	74	1.9	832	7	US-11-174-307B-1214	Sequence 1214, AP1
1021	75	1.9	291	7	US-11-254-854-42	Sequence 42, AP1	1096	74	1.9	873	6	US-11-056-355B-902-42960	Sequence 8776, A
1022	75	1.9	302	6	US-10-449-902-33401	Sequence 33401, A	1098	74	1.9	943	7	US-11-370-42-7	Sequence 3406, AP
1023	75	1.9	364	6	US-10-953-349-20309	Sequence 20309, A	1099	74	1.9	945	7	US-11-174-307B-782	Sequence 9458, AP
1024	75	1.9	302	6	US-10-449-902-33401	Sequence 33401, A	1100	74	1.9	945	7	US-11-056-355B-79318	Sequence 79318, A
1025	75	1.9	312	6	US-10-449-902-33401	Sequence 21758, AP	1101	74	1.9	995	7	US-11-056-355B-93117	Sequence 93117, A
1026	75	1.9	326	6	US-10-449-902-37235	Sequence 37235, A	1102	74	1.9	1022	6	US-10-449-902-5208	Sequence 5208, AP
1027	75	1.9	333	6	US-10-953-349-20311	Sequence 20311, A	1103	74	1.9	1055	7	US-11-174-307B-20594	Sequence 2854, AP
1028	75	1.9	354	6	US-10-953-349-20310	Sequence 20310, A	1104	74	1.9	1079	7	US-11-174-307B-836	Sequence 9458, AP
1029	75	1.9	557	7	US-10-953-349-3933	Sequence 3933, AP	1105	74	1.9	1164	7	US-11-056-355B-79316	Sequence 79316, A
1030	75	1.9	635	6	US-10-51-521-018-3	Sequence 3, AP1	1111	74	1.9	1276	7	US-11-174-307B-739	Sequence 1764, AP
1031	75	1.9	776	6	US-10-449-902-53465	Sequence 53465, AP	1112	74	1.9	1277	7	US-11-174-307B-40	Sequence 440, AP
1032	75	1.9	424	7	US-11-056-355B-54573	Sequence 54573, A	1113	74	1.9	1280	7	US-11-174-307B-2512	Sequence 2512, AP
1033	75	1.9	832	7	US-11-056-355B-75225	Sequence 75225, A	1114	74	1.9	1289	7	US-11-174-307B-560	Sequence 560, AP
1034	75	1.9	840	7	US-11-056-355B-75225	Sequence 3934, AP	1115	74	1.9	1376	7	US-11-174-307B-836	Sequence 836, AP
1035	75	1.9	907	7	US-11-174-307B-1040	Sequence 1040, AP	1116	74	1.9	1675	7	US-11-174-307B-2696	Sequence 2696, AP
1036	75	1.9	929	7	US-11-174-307B-3988	Sequence 3988, AP	1117	74	1.9	1705	7	US-11-174-307B-4242	Sequence 4242, AP
1037	75	1.9	984	6	US-10-528-029-1	Sequence 1, AP1	1118	74	1.9	1751	7	US-11-174-307B-1128	Sequence 1128, AP
1038	75	1.9	985	6	US-11-174-307B-5470	Sequence 5470, AP	1119	74	1.9	1865	7	US-11-174-307B-1920	Sequence 1920, AP
1039	75	1.9	987	7	US-11-174-307B-31-30	Sequence 30, AP1	1120	74	1.9	1969	7	US-11-174-307B-564	Sequence 4554, AP
1040	75	1.9	989	6	US-10-449-902-48457	Sequence 88, AP1	1121	74	1.9	2221	6	US-10-829-000-3	Sequence 984, AP
1041	75	1.9	1577	7	US-11-174-307B-1118	Sequence 43457, A	1122	74	1.9	2221	7	US-11-051-725-162	Sequence 3406, AP
1042	75	1.9	158	7	US-11-174-307B-1218	Sequence 4462, AP	1123	74	1.9	2440	7	US-11-174-307B-1294	Sequence 1294, AP
1043	75	1.9	159	7	US-11-174-307B-4014	Sequence 4014, AP	1124	73.5	1.9	222	7	US-11-356-373-15	Sequence 15, AP1
1044	75	1.9	159	7	US-11-174-307B-548	Sequence 548, AP	1125	73.5	1.9	229	7	US-11-356-373-6	Sequence 1078, AP
1045	75	1.9	159	7	US-11-174-307B-2694	Sequence 2694, AP	1126	73.5	1.9	247	6	US-11-051-725-147	Sequence 147, AP1
1046	75	1.9	159	7	US-11-226-554-88	Sequence 88, AP1	1127	73.5	1.9	2221	6	US-10-449-902-3444	Sequence 3444, AP
1047	75	1.9	159	7	US-11-174-307B-708	Sequence 43457, A	1128	73.5	1.9	2221	7	US-10-449-902-3444	Sequence 3444, AP
1048	75	1.9	159	7	US-11-174-307B-1040	Sequence 4462, AP	1129	73.5	1.9	2440	7	US-10-449-902-42832	Sequence 42832, AP
1049	75	1.9	159	7	US-11-174-307B-4014	Sequence 4014, AP	1130	73.5	1.9	222	7	US-10-449-902-42832	Sequence 42832, AP
1050	75	1.9	159	7	US-11-174-307B-548	Sequence 548, AP	1131	73.5	1.9	229	7	US-11-356-373-6	Sequence 1078, AP
1051	75	1.9	159	7	US-11-174-307B-2694	Sequence 2694, AP	1132	73.5	1.9	247	6	US-11-051-725-147	Sequence 147, AP1
1052	75	1.9	159	7	US-11-174-307B-1218	Sequence 1218, AP	1133	73.5	1.9	263	7	US-11-356-373-18	Sequence 18, AP1
1053	75	1.9	159	7	US-11-174-307B-1118	Sequence 1118, AP	1134	73.5	1.9	463	6	US-10-449-902-3444	Sequence 3444, AP
1054	75	1.9	159	7	US-11-174-307B-1218	Sequence 1218, AP	1135	73.5	1.9	562	7	US-10-449-902-3444	Sequence 3444, AP
1055	75	1.9	159	7	US-11-174-307B-4014	Sequence 4014, AP	1136	73.5	1.9	571	6	US-10-449-902-42832	Sequence 42832, AP
1056	75	1.9	159	7	US-11-174-307B-548	Sequence 548, AP	1137	73.5	1.9	594	7	US-11-056-355B-818939	Sequence 18939, A
1057	75	1.9	159	7	US-11-174-307B-2694	Sequence 2694, AP	1138	73.5	1.9	625	7	US-11-174-307B-546	Sequence 546, AP
1058	75	1.9	159	7	US-11-174-307B-1218	Sequence 1218, AP	1139	73.5	1.9	639	6	US-10-449-902-53967	Sequence 53967, A
1059	75	1.9	159	7	US-11-174-307B-1040	Sequence 1040, AP	1140	73.5	1.9	641	6	US-10-449-902-41609	Sequence 41609, A
1060	75	1.9	159	7	US-11-174-307B-1040	Sequence 1040, AP	1141	73.5	1.9	641	6	US-10-449-902-41609	Sequence 41609, A
1061	75	1.9	159	7	US-11-174-307B-1040	Sequence 1040, AP	1142	73.5	1.9	641	6	US-10-449-902-41609	Sequence 41609, A
1062	75	1.9	159	7	US-11-174-307B-1040	Sequence 104							

1140	73.5	1.9	739	7	US-11-056-355B-90872	Sequence 90872, A	1214	73	1.9	1546	7	US-11-174-307B-1896
1141	73.5	1.9	739	7	US-11-056-355B-94628	Sequence 94628, A	1215	73	1.9	1558	7	US-11-174-307B-856
1142	73.5	1.9	741	6	US-10-449-002-53293	Sequence 53293, A	1216	73	1.9	1565	7	US-11-174-307B-1824
1143	73.5	1.9	777	6	US-10-953-349-35469	Sequence 3469, A	1217	73	1.9	1567	7	US-11-174-307B-2116
1144	73.5	1.9	780	7	US-11-056-355B-90871	Sequence 90871, A	1218	73	1.9	1581	7	US-11-174-307B-906
1145	73.5	1.9	895	6	US-10-953-349-35468	Sequence 94627, A	1219	73	1.9	1605	7	US-11-056-355B-88407
1146	73.5	1.9	913	6	US-10-953-349-35467	Sequence 3468, A	1220	73	1.9	1605	7	US-11-056-355B-92163
1147	73.5	1.9	937	6	US-10-449-002-45265	Sequence 3547, A	1221	73	1.9	1641	7	US-11-174-307B-1340
1148	73.5	1.9	1059	7	US-11-174-307B-1214	Sequence 45265, A	1222	73	1.9	1646	7	US-11-056-355B-88406
1149	73.5	1.9	1072	6	US-10-449-002-53937	Sequence 1214, A	1223	73	1.9	1645	7	US-11-056-355B-92162
1150	73.5	1.9	1231	7	US-11-174-307B-1168	Sequence 53937, A	1224	73	1.9	1673	7	US-11-174-307B-812
1151	73.5	1.9	1258	7	US-11-174-307B-1612	Sequence 1168, A	1225	73	1.9	1689	7	US-11-174-307B-1196
1152	73.5	1.9	1289	7	US-11-174-307B-2922	Sequence 1612, A	1226	73	1.9	1703	7	US-11-174-307B-2214
1153	73.5	1.9	1291	7	US-11-174-307B-1206	Sequence 2922, A	1227	73	1.9	1703	7	US-11-174-307B-2576
1154	73.5	1.9	1300	7	US-11-174-307B-1122	Sequence 1206, A	1228	73	1.9	1714	7	US-11-174-307B-1068
1155	73.5	1.9	1302	7	US-11-174-307B-2152	Sequence 112, A	1229	73	1.9	1757	7	US-11-174-307B-554
1156	73.5	1.9	1437	7	US-11-174-307B-2014	Sequence 2152, A	1230	73	1.9	1773	7	US-11-056-355B-88405
1157	73.5	1.9	1438	7	US-11-174-307B-1210	Sequence 1210, A	1231	73	1.9	1773	7	US-11-056-355B-92161
1158	73.5	1.9	1391	7	US-11-174-307B-1304	Sequence 1304, A	1232	73	1.9	1773	7	US-11-056-355B-88405
1159	73.5	1.9	1506	7	US-11-174-307B-4782	Sequence 4782, A	1233	73	1.9	2047	7	US-11-174-307B-680
1160	73.5	1.9	1428	7	US-11-174-307B-2296	Sequence 2296, A	1234	73	1.9	2133	7	US-11-174-307B-8894
1161	73.5	1.9	1657	7	US-11-174-307B-1144	Sequence 1144, A	1235	73	1.9	2209	7	US-11-174-307B-1503
1162	73.5	1.9	1751	7	US-11-174-307B-2426	Sequence 2014, A	1236	73	1.9	2235	7	US-11-174-307B-2036
1163	73.5	1.9	1438	7	US-11-174-307B-1176	Sequence 1176, A	1237	73	1.9	3250	7	US-11-174-307B-2262
1164	73.5	1.9	1818	7	US-11-174-307B-1190	Sequence 1190, A	1238	73	1.9	3682	7	US-11-174-307B-2486
1165	73.5	1.9	1506	7	US-11-174-307B-1870	Sequence 1870, A	1239	72.5	1.8	62	7	US-11-174-307B-680
1166	73.5	1.9	1657	7	US-11-174-307B-1212	Sequence 1212, A	1240	72.5	1.8	234	6	US-11-174-307B-1903
1167	73.5	1.9	1750	7	US-11-174-307B-570	Sequence 570, A	1241	72.5	1.8	279	6	US-10-953-349-1903
1168	73.5	1.9	1751	7	US-11-174-307B-2426	Sequence 2426, A	1242	72.5	1.8	321	7	US-11-174-307B-2036
1169	73.5	1.9	1818	7	US-11-174-307B-732	Sequence 732, A	1243	72.5	1.8	370	6	US-10-174-307B-2262
1170	73.5	1.9	1869	7	US-11-174-307B-746	Sequence 746, A	1244	72.5	1.8	384	6	US-10-174-307B-2486
1171	73.5	1.9	1942	7	US-11-174-307B-2732	Sequence 273, A	1245	72.5	1.8	406	7	US-11-174-307B-8894
1172	73.5	1.9	1951	7	US-11-174-307B-1428	Sequence 1428, A	1246	72.5	1.8	428	6	US-10-449-902-44200
1173	73.5	1.9	1961	7	US-11-174-307B-1714	Sequence 1714, A	1247	72.5	1.8	459	6	US-10-953-349-1707
1174	73.5	1.9	2628	7	US-11-174-307B-2692	Sequence 2692, A	1248	72.5	1.8	466	7	US-11-174-307B-1342
1175	73.5	1.9	3399	6	US-10-547-330-47	Sequence 47, A	1249	72.5	1.8	470	6	US-10-953-349-7069
1176	73.5	1.9	3191	6	US-10-351-17-174	Sequence 4, A	1250	72.5	1.8	513	7	US-11-056-355B-3271
1177	73.5	1.9	2417	7	US-11-315-925-3	Sequence 3, A	1251	72.5	1.8	541	6	US-10-449-902-48914
1178	73.5	1.9	245	6	US-10-449-002-88546	Sequence 38546, A	1252	72.5	1.8	542	6	US-10-449-902-44200
1179	73.5	1.9	3111	7	US-11-351-617-8	Sequence 8, A	1253	72.5	1.8	548	6	US-10-953-349-32710
1180	73.5	1.9	3118	6	US-10-953-349-3274	Sequence 3274, A	1254	72.5	1.8	548	7	US-11-056-355B-68862
1181	73.5	1.9	329	6	US-10-953-349-1707	Sequence 13707, A	1255	72.5	1.8	557	7	US-11-056-355B-71276
1182	73.5	1.9	329	7	US-11-056-355B-54862	Sequence 54862, A	1256	72.5	1.8	591	7	US-11-056-355B-91853
1183	73.5	1.9	329	7	US-11-056-355B-55583	Sequence 5553, A	1257	72.5	1.8	591	7	US-11-056-355B-91853
1184	73.5	1.9	338	6	US-10-953-349-3273	Sequence 3273, A	1258	72.5	1.8	591	7	US-11-056-355B-91853
1185	73.5	1.9	353	6	US-10-953-349-13706	Sequence 13706, A	1259	72.5	1.8	594	7	US-11-056-355B-91853
1186	73.5	1.9	353	7	US-11-056-355B-55582	Sequence 55582, A	1260	72.5	1.8	595	7	US-11-056-355B-91853
1187	73.5	1.9	354	6	US-10-449-902-40808	Sequence 40808, A	1261	72.5	1.8	603	7	US-11-293-697-3185
1188	73.5	1.9	457	6	US-10-449-902-31359	Sequence 2853, A	1262	72.5	1.8	613	7	US-10-953-349-8875
1189	73.5	1.9	457	6	US-10-449-902-50709	Sequence 1359, A	1263	72.5	1.8	613	7	US-11-056-355B-91853
1190	73.5	1.9	518	7	US-11-191-244-65	Sequence 50709, A	1264	72.5	1.8	617	7	US-11-056-355B-91853
1191	73.5	1.9	521	6	US-10-526-905-11	Sequence 3402, A	1265	72.5	1.8	631	6	US-11-056-355B-91853
1192	73.5	1.9	605	6	US-10-449-902-45413	Sequence 45413, A	1266	72.5	1.8	648	7	US-11-293-697-3185
1193	73.5	1.9	631	6	US-10-449-902-53311	Sequence 53311, A	1267	72.5	1.8	696	7	US-11-289-102-309
1194	73.5	1.9	731	6	US-10-480-962-13	Sequence 13, A	1268	72.5	1.8	720	7	US-11-056-355B-91852
1195	73.5	1.9	731	7	US-11-293-97-4126	Sequence 4126, A	1269	72.5	1.8	725	7	US-11-056-355B-91852
1196	73.5	1.9	764	7	US-11-191-244-65	Sequence 65, A	1270	72.5	1.8	725	7	US-11-056-355B-91852
1197	73.5	1.9	814	6	US-10-449-902-54355	Sequence 3402, A	1271	72.5	1.8	733	7	US-11-056-355B-91851
1198	73.5	1.9	862	6	US-10-449-902-44665	Sequence 46465, A	1272	72.5	1.8	733	7	US-11-056-355B-91851
1199	73.5	1.9	1050	7	US-11-174-307B-1194	Sequence 1194, A	1273	72.5	1.8	733	7	US-11-174-307B-1194
1200	73.5	1.9	1066	6	US-10-449-902-43289	Sequence 43289, A	1274	72.5	1.8	738	7	US-11-174-307B-1194
1201	73.5	1.9	1136	7	US-11-174-307B-2504	Sequence 2504, A	1275	72.5	1.8	748	7	US-11-056-355B-10755
1202	73.5	1.9	1299	7	US-11-174-307B-1524	Sequence 1524, A	1276	72.5	1.8	748	7	US-11-056-355B-10755
1203	73.5	1.9	1377	7	US-11-174-307B-518	Sequence 518, A	1277	72.5	1.8	947	6	US-10-449-902-41153
1204	73.5	1.9	1402	7	US-11-174-307B-4662	Sequence 46462, A	1278	72.5	1.8	989	7	US-11-283-329-168
1205	73.5	1.9	1434	7	US-11-174-307B-1194	Sequence 1194, A	1279	72.5	1.8	1053	7	US-11-174-307B-5956
1206	73.5	1.9	1462	7	US-11-174-307B-542	Sequence 542, A	1280	72.5	1.8	1057	7	US-11-174-307B-3420
1208	73.5	1.9	1486	7	US-11-174-307B-684	Sequence 684, A	1281	72.5	1.8	1144	7	US-11-174-307B-2720
1209	73.5	1.9	1502	7	US-11-174-307B-632	Sequence 632, A	1282	72.5	1.8	1210	7	US-11-174-307B-1140
1210	73.5	1.9	1511	7	US-11-174-307B-1120	Sequence 1120, A	1283	72.5	1.8	1284	7	US-11-174-307B-1066
1211	73.5	1.9	1531	7	US-11-174-307B-170	Sequence 170, A	1285	72.5	1.8	1347	7	US-11-174-307B-1170
1212	73.5	1.9	1539	7	US-11-174-307B-2180	Sequence 2180, A	1286	72.5	1.8	1353	7	US-11-174-307B-3378

1287	72.5	1.8	1410	7	US-11-174-307B-5448	Sequence 5448, AP	1360	72	1.8	858	7	US-11-174-307B-1934
1288	72.5	1.8	1439	7	US-11-174-307B-604	Sequence 604, APP	1361	72	1.8	929	7	US-11-174-307B-3296
1289	72.5	1.8	1523	7	US-11-174-307B-766	Sequence 766, APP	1362	72	1.8	945	7	US-11-174-307B-2739
1290	72.5	1.8	1670	7	US-11-174-307B-1010	Sequence 1010, APP	1363	72	1.8	998	7	US-11-174-307B-2738
1291	72.5	1.8	1701	7	US-11-174-307B-2440	Sequence 2440, APP	1364	72	1.8	1093	6	US-10-449-892-41338
1292	72.5	1.8	1730	7	US-11-174-307B-2480	Sequence 2280, APP	1365	72	1.8	1102	6	US-10-539-8862-20
1293	72.5	1.8	1783	7	US-11-174-307B-902	Sequence 902, APP	1366	72	1.8	1131	7	US-11-174-307B-2558
1294	72.5	1.8	1910	7	US-11-174-307B-2256	Sequence 2256, APP	1367	72	1.8	1181	7	US-11-174-307B-2684
1295	72.5	1.8	2309	7	US-11-174-307B-1562	Sequence 1562, APP	1368	72	1.8	1192	7	US-11-174-307B-654
1296	72	1.8	110	6	US-10-953-349-6866	Sequence 6866, APP	1369	72	1.8	1197	7	US-11-174-307B-310
1297	72	1.8	143	7	US-11-056-355B-89516	Sequence 89516, APP	1370	72	1.8	1217	7	US-11-174-307B-3224
1298	72	1.8	143	7	US-11-056-355B-93272	Sequence 93272, APP	1371	72	1.8	1260	7	US-11-174-307B-800
1299	72	1.8	148	7	US-11-056-355B-89515	Sequence 89515, APP	1372	72	1.8	1267	7	US-11-174-307B-868
1300	72	1.8	148	7	US-11-056-355B-93271	Sequence 93271, APP	1373	72	1.8	1270	7	US-11-174-307B-2552
1301	72	1.8	148	7	US-11-056-355B-9319	Sequence 9319, APP	1374	72	1.8	1335	7	US-11-174-307B-1106
1302	72	1.8	148	7	US-11-056-355B-9319	Sequence 9319, APP	1375	72	1.8	1372	7	US-11-056-355B-93179
1303	72	1.8	148	7	US-11-056-355B-11258	Sequence 112558, APP	1376	72	1.8	1372	7	US-11-056-355B-110418
1304	72	1.8	168	7	US-11-056-355B-7955	Sequence 7955, APP	1377	72	1.8	1420	7	US-11-174-307B-538
1305	72	1.8	170	7	US-11-056-355B-7954	Sequence 7954, APP	1378	72	1.8	1427	7	US-11-174-307B-5060
1306	72	1.8	177	6	US-10-953-349-18258	Sequence 18258, APP	1379	72	1.8	1443	7	US-11-174-307B-2906
1307	72	1.8	177	6	US-11-056-355B-57361	Sequence 57361, APP	1380	72	1.8	1450	7	US-11-174-307B-1138
1308	72	1.8	181	6	US-10-953-349-1454	Sequence 1454, APP	1381	72	1.8	1480	7	US-11-174-307B-3308
1309	72	1.8	192	7	US-11-354-653-54	Sequence 154, APP	1382	72	1.8	1606	7	US-11-174-307B-978
1310	72	1.8	196	6	US-10-953-349-1453	Sequence 1453, APP	1383	72	1.8	1620	7	US-11-174-307B-1132
1311	72	1.8	227	6	US-10-449-902-56088	Sequence 56088, APP	1384	72	1.8	1632	7	US-11-174-307B-1060
1312	72	1.8	228	7	US-11-351-617-5	Sequence 112557, APP	1385	72	1.8	1636	7	US-11-174-307B-042
1313	72	1.8	231	6	US-10-449-902-31092	Sequence 31092, APP	1386	72	1.8	1704	7	US-11-289-102-341
1314	72	1.8	241	6	US-10-953-349-1452	Sequence 1452, APP	1387	72	1.8	1713	7	US-11-174-307B-1752
1315	72	1.8	250	7	US-11-056-355B-89514	Sequence 89514, APP	1388	72	1.8	1826	7	US-11-174-307B-1122
1316	72	1.8	250	7	US-11-056-355B-93270	Sequence 93270, APP	1389	72	1.8	1990	7	US-11-174-307B-862
1317	72	1.8	250	7	US-11-056-355B-101318	Sequence 101318, APP	1390	72	1.8	2499	7	US-11-174-307B-268
1318	72	1.8	250	7	US-11-056-355B-11257	Sequence 112557, APP	1391	72	1.8	250	7	US-11-324-816-268
1319	72	1.8	256	7	US-11-056-355B-10131	Sequence 10131, APP	1392	72	1.8	250	7	US-11-217-997-8
1320	72	1.8	276	7	US-11-056-355B-11256	Sequence 112556, APP	1393	72	1.8	202	6	US-10-953-319-16681
1321	72	1.8	336	7	US-10-953-349-11024	Sequence 11024, APP	1394	72	1.8	202	7	US-11-056-355B-55267
1322	72	1.8	337	7	US-11-056-355B-87272	Sequence 87272, APP	1395	72	1.8	223	6	US-11-056-355B-5666
1323	72	1.8	343	6	US-10-449-902-36800	Sequence 36800, APP	1396	72	1.8	223	7	US-11-056-355B-5666
1324	72	1.8	345	6	US-11-056-355B-22885	Sequence 35585, APP	1397	72	1.8	229	6	US-10-953-349-5817
1325	72	1.8	345	6	US-11-056-355B-36763	Sequence 36763, APP	1398	72	1.8	229	6	US-11-056-355B-5914
1326	72	1.8	346	7	US-11-056-355B-87271	Sequence 87271, APP	1399	72	1.8	229	7	US-11-056-355B-88018
1327	72	1.8	349	7	US-11-056-355B-22884	Sequence 22884, APP	1400	72	1.8	229	7	US-11-056-355B-8890
1328	72	1.8	349	7	US-11-056-355B-87270	Sequence 87270, APP	1401	72	1.8	229	7	US-11-056-355B-8890
1329	72	1.8	395	7	US-11-056-355B-36764	Sequence 36764, APP	1402	72	1.8	242	6	US-10-953-319-16779
1330	72	1.8	407	6	US-10-953-349-26200	Sequence 26200, APP	1403	72	1.8	242	7	US-11-056-355B-66265
1331	72	1.8	421	7	US-11-056-355B-36763	Sequence 36763, APP	1404	72	1.8	242	7	US-10-953-349-5815
1332	72	1.8	453	6	US-10-511-937-2485	Sequence 2485, APP	1405	72	1.8	254	7	US-11-056-355B-39513
1333	72	1.8	475	6	US-10-449-902-30855	Sequence 30855, APP	1406	72	1.8	254	7	US-11-056-355B-89017
1334	72	1.8	541	7	US-11-293-697-3101	Sequence 51410, APP	1407	72	1.8	254	7	US-11-056-355B-89133
1335	72	1.8	541	7	US-11-293-697-3101	Sequence 51410, APP	1408	72	1.8	254	7	US-11-056-355B-92889
1336	72	1.8	525	6	US-10-449-902-55027	Sequence 55027, APP	1409	72	1.8	257	6	US-10-953-349-5815
1337	72	1.8	525	6	US-10-511-937-2510	Sequence 51192, APP	1410	72	1.8	257	6	US-11-056-355B-95112
1338	72	1.8	539	7	US-11-226-554-126	Sequence 126, APP	1411	72	1.8	257	7	US-11-056-355B-88016
1339	72	1.8	541	7	US-11-242-111-18	Sequence 3101, APP	1412	72	1.8	257	7	US-11-056-355B-89132
1340	72	1.8	541	7	US-11-293-697-3101	Sequence 3101, APP	1413	72	1.8	257	7	US-11-056-355B-92888
1341	72	1.8	557	7	US-11-056-355B-14265	Sequence 14265, APP	1414	72	1.8	301	6	US-10-449-902-37477
1342	72	1.8	604	6	US-10-511-937-2625	Sequence 22068, APP	1415	72	1.8	303	6	US-10-449-902-31855
1343	72	1.8	604	6	US-10-501-937-2527	Sequence 527, APP	1416	72	1.8	304	6	US-10-449-902-46133
1344	72	1.8	604	6	US-10-511-937-2510	Sequence 5210, APP	1417	72	1.8	304	6	US-10-449-902-29907
1345	72	1.8	604	7	US-11-258-767-30	Sequence 18, APP	1418	72	1.8	346	6	US-10-449-902-55078
1346	72	1.8	628	6	US-10-449-902-42615	Sequence 42615, APP	1419	72	1.8	354	7	US-11-056-355B-92978
1347	72	1.8	628	6	US-10-449-902-42955	Sequence 42955, APP	1420	72	1.8	361	6	US-10-449-902-43112
1348	72	1.8	631	6	US-10-449-902-54294	Sequence 54294, APP	1421	72	1.8	362	6	US-11-121-154-124
1349	72	1.8	689	6	US-10-449-902-55458	Sequence 55458, APP	1422	72	1.8	372	7	US-11-174-307B-0008
1350	72	1.8	711	7	US-11-250-767-15	Sequence 15, APP	1423	72	1.8	384	7	US-11-056-355B-104826
1351	72	1.8	711	7	US-11-258-767-30	Sequence 30, APP	1424	72	1.8	384	7	US-11-056-355B-116065
1352	72	1.8	711	7	US-11-258-767-34	Sequence 34, APP	1425	72	1.8	385	6	US-10-449-902-29778
1353	72	1.8	751	7	US-11-174-307B-2896	Sequence 2896, APP	1426	72	1.8	389	7	US-11-056-355B-104825
1354	72	1.8	752	7	US-11-056-355B-73162	Sequence 73162, APP	1427	72	1.8	397	7	US-11-11-233-697-2739
1355	72	1.8	769	6	US-10-511-937-3015	Sequence 3015, APP	1428	72	1.8	425	7	US-11-174-307B-3068
1356	72	1.8	770	6	US-10-449-902-43894	Sequence 43894, APP	1429	72	1.8	426	7	US-11-056-355B-58989
1357	72	1.8	786	6	US-10-501-937-31	Sequence 31, APP	1430	72	1.8	438	7	US-11-056-355B-43558
1358	72	1.8	810	7	US-11-174-307B-220	Sequence 220, APP	1431	72	1.8	440	7	US-11-251-165-65
1359	72	1.8	856	7	US-11-174-307B-5482	Sequence 5482, APP	1432	72	1.8	444	7	US-11-063-439-301

```

1433    71.5   1.8   449   7 US-11-251-465-68 Sequence 68, App1
1434    71.5   1.8   458   6 US-10-449-902-51052 Sequence 51052, A
1435    71.5   1.8   461   7 US-11-056-555B-43557 Sequence 43557, A
1436    71.5   1.8   473   6 US-10-471-571A-582 Sequence 582, App
1437    71.5   1.8   473   6 US-10-449-902-30140 Sequence 30140, A
1438    71.5   1.8   511   6 US-10-953-349-35696 Sequence 35695, A
1439    71.5   1.8   513   6 US-10-953-349-35695 Sequence 35695, A
1440    71.5   1.8   515   7 US-11-056-555B-43556 Sequence 43556, A
1441    71.5   1.8   516   7 US-11-056-555B-42712 Sequence 42712, A
1442    71.5   1.8   516   7 US-11-056-555B-9906 Sequence 9906, A
1443    71.5   1.8   516   7 US-11-056-555B-111145 Sequence 111145, A
1444    71.5   1.8   520   7 US-11-056-555B-70292 Sequence 70292, A
1445    71.5   1.8   530   6 US-11-049-902-49578 Sequence 49578, A
1446    71.5   1.8   541   7 US-11-056-555B-111144 Sequence 111144, A
1447    71.5   1.8   542   7 US-11-056-355B-42711 Sequence 42711, A
1448    71.5   1.8   542   7 US-11-056-355B-9906 Sequence 9906, A
1449    71.5   1.8   551   6 US-10-953-349-31694 Sequence 31694, A
1450    71.5   1.8   579   6 US-10-449-902-49578 Sequence 49578, A
1451    71.5   1.8   609   7 US-11-056-355B-96678 Sequence 96678, A
1452    71.5   1.8   617   7 US-11-056-355B-96677 Sequence 96677, A
1453    71.5   1.8   617   7 US-10-449-902-47783 Sequence 45783, A
1454    71.5   1.8   701   6 US-11-258-787-12 Sequence 12, App1
1455    71.5   1.8   711   7 US-11-258-787-17 Sequence 17, App1
1456    71.5   1.8   711   7 US-11-258-787-18 Sequence 18, App1
1457    71.5   1.8   711   7 US-11-258-787-21 Sequence 21, App1
1458    71.5   1.8   734   7 US-11-165-886-45 Sequence 45, App1
1459    71.5   1.8   757   6 US-10-449-902-55633 Sequence 55633, A
1460    71.5   1.8   815   7 US-11-056-355B-96676 Sequence 96676, A
1461    71.5   1.8   821   6 US-10-449-902-53355 Sequence 53355, A
1462    71.5   1.8   856   6 US-10-449-902-43303 Sequence 43303, A
1463    71.5   1.8   862   6 US-11-049-902-51055 Sequence 51055, A
1464    71.5   1.8   885   6 US-10-505-928-432 Sequence 432, App1
1465    71.5   1.8   885   7 US-11-251-465-20 Sequence 20, App1
1466    71.5   1.8   894   7 US-11-251-465-21 Sequence 21, App1
1467    71.5   1.8   973   7 US-11-174-307B-494 Sequence 5494, App
1468    71.5   1.8   1069   7 US-11-174-307B-1228 Sequence 1228, App
1469    71.5   1.8   1090   7 US-11-056-355B-73420 Sequence 73420, A
1470    71.5   1.8   1119   7 US-11-056-355B-73284 Sequence 73284, A
1471    71.5   1.8   1120   7 US-11-056-355B-73419 Sequence 73419, A
1472    71.5   1.8   1129   7 US-11-056-355B-73283 Sequence 73283, A
1473    71.5   1.8   1151   7 US-11-174-307B-556 Sequence 556, App
1474    71.5   1.8   1177   7 US-11-174-307B-884 Sequence 884, App
1475    71.5   1.8   1190   7 US-11-056-355B-70177 Sequence 70177, A
1476    71.5   1.8   1200   7 US-11-056-355B-73418 Sequence 73418, A
1477    71.5   1.8   1229   7 US-11-056-355B-73282 Sequence 73282, A
1478    71.5   1.8   1290   7 US-11-056-355B-73282 Sequence 73282, A
1479    71.5   1.8   1333   7 US-11-174-307B-2320 Sequence 2320, App
1480    71.5   1.8   1335   7 US-11-174-307B-2138 Sequence 2138, App
1481    71.5   1.8   1345   7 US-11-174-307B-2572 Sequence 2572, App
1482    71.5   1.8   1348   7 US-11-174-307B-354 Sequence 354, App
1483    71.5   1.8   1355   7 US-11-056-355B-70176 Sequence 70176, A
1484    71.5   1.8   1356   7 US-11-056-355B-70175 Sequence 70175, A
1485    71.5   1.8   1388   7 US-11-174-307B-1842 Sequence 2520, App
1486    71.5   1.8   1391   7 US-11-174-307B-1656 Sequence 1656, App
1487    71.5   1.8   1394   7 US-11-174-307B-2146 Sequence 2146, App
1488    71.5   1.8   1449   7 US-11-174-307B-672 Sequence 672, App
1489    71.5   1.8   1480   7 US-11-174-307B-752 Sequence 752, App
1490    71.5   1.8   1489   7 US-11-174-307B-2422 Sequence 2422, App
1491    71.5   1.8   1492   7 US-11-174-307B-2094 Sequence 2094, App
1492    71.5   1.8   1495   7 US-11-174-307B-1656 Sequence 1656, App
1493    71.5   1.8   1560   7 US-11-174-307B-1846 Sequence 1846, App
1494    71.5   1.8   1615   7 US-11-197-665-6 Sequence 6, Appli
1495    71.5   1.8   1638   7 US-11-174-307B-660 Sequence 660, App
1496    71.5   1.8   1714   7 US-11-174-307B-740 Sequence 740, App
1497    71.5   1.8   1722   7 US-11-174-307B-350 Sequence 350, App
1498    71.5   1.8   1741   7 US-11-174-307B-726 Sequence 726, App
1499    71.5   1.8   1753   7 US-11-174-307B-222 Sequence 222, App
1500    71.5   1.8   1914   7 US-11-174-307B-20 Sequence 20, Appli

```

THIS PAGE BLANK (uspto)

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Biocceleration Ltd.

Sequence 6, Appli
Sequence 43, Appli
Sequence 2, Appli
Sequence 93, Appli
Sequence 148, Appli
Sequence 5, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 6, Appli
Sequence 4, Appli
Sequence 92, Appli
Sequence 1, Appli
Sequence 55, Appli
Sequence 54, Appli
Sequence 52, Appli
Sequence 51, Appli
Sequence 7, Appli
Sequence 1152, Appli
Sequence 144, Appli
Sequence 1532, Appli
Sequence 94, Appli
Sequence 81, Appli
Sequence 2, Appli
Sequence 66, Appli
Sequence 452, Appli
Sequence 12, Appli
Sequence 90, Appli
Sequence 4705, Appli
Sequence 2, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 3, Appli
Sequence 152, Appli
Sequence 6, Appli
Sequence 3, Appli
Sequence 1024, Appli
Sequence 8, Appli
Sequence 8, Appli
Sequence 81, Appli
Sequence 99, Appli
Sequence 1256, Appli
Sequence 644, Appli
Sequence 143, Appli
Sequence 1533, Appli
Sequence 149, Appli
Sequence 354, Appli
Sequence 420, Appli
Sequence 132, Appli
Sequence 132, Appli
Sequence 64, Appli
Sequence 67, Appli
Sequence 31, Appli
Sequence 420, Appli
Sequence 132, Appli
Sequence 132, Appli
Sequence 64, Appli
Sequence 67, Appli
Sequence 31, Appli
Sequence 420, Appli
Sequence 243, Appli
Sequence 47, Appli
Sequence 2286, Appli
Sequence 46, Appli
Sequence 1112, Appli
Sequence 45, Appli
Sequence 11, Appli
Sequence 11, Appli
Sequence 12, Appli
Sequence 10, Appli
Sequence 9, Appli
Sequence 11, Appli
Sequence 14, Appli
Sequence 13, Appli

OM protein - protein search, using sw model.

Run on: July 15, 2006, 06:56:11 ; Search time 180 Seconds

(without alignments)
1852.859 Million cell updates/sec

Perfect score: 3945

Sequence: 1 MELGCMWQLGLTFLQLLIS.....LSTAPTRKVLPFKDMIRRNMK 720

Scoring table: BLOSUM62

Gapov 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters:

2097797

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Published_Applications_AA_Main:
1: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US07_PUBCOMB.pep:
2: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US08_PUBCOMB.pep:
3: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US09_PUBCOMB.pep:
4: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10_PUBCOMB.pep:
5: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US10B_PUBCOMB.pep:
6: /EMC_Celerra_SIDS3/prodata/2/pubpaa/US11_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
27	3945	100.0	720	3 US-09-997-128-231
562	3945	100.0	720	4 US-10-174-587-170
626	3945	100.0	720	4 US-10-972-174-38
741	3945	100.0	720	5 US-10-950-374-231
743	3945	100.0	720	5 US-11-102-40-38
51	3945	100.0	720	6 US-11-150-883-5
752	3945	100.0	720	6 US-11-150-887-5
753	3939	99.8	720	4 US-10-004-51-4
154	3939	99.8	720	4 US-10-098-871-26
756	3921.5	99.4	737	4 US-1-408-765A-1796
157	3500.5	88.7	649	4 US-10-274-339-17
158	3500.5	88.7	649	4 US-10-333-974-17
759	3089.5	78.3	567	4 US-10-003-551-2
760	3089.5	78.3	567	6 US-11-045-039-2
761	2946.5	74.7	570	4 US-10-067-422-9
762	2946.5	61.2	455	3 US-09-833-345-1401
763	2413	61.2	455	6 US-11-264-036-1401
764	1708.5	43.3	323	3 US-09-833-345-1402
765	1708.5	43.3	323	6 US-11-264-036-1402
766	94.9	24.1	181	5 US-10-756-149-4828
767	2946.5	74.7	570	4 US-10-183-932-4
768	67.2	17.0	1019	5 US-10-480-554-4
769	66.5	16.9	1019	4 US-10-183-932-8
770	66.5	16.9	1019	4 US-10-638-125-4
771	66.5	16.9	1019	5 US-10-480-554-8
772	66.5	16.9	1019	6 US-10-183-932-6
773	1083	4	US-10-183-932-2	
774	665	16.9	1083	4 US-10-638-125-2

774	665	16.9	1083	5 US-10-480-254-6
775	478	12.1	699	6 US-11-150-887-43
776	476	12.1	699	4 US-10-338-322-2
777	475	12.0	699	5 US-10-889-891-148
778	475	12.0	704	5 US-10-820-155-92
779	471	11.9	728	4 US-10-148-671-5
780	469.5	11.9	679	3 US-0-874-198-6
781	469.5	11.9	679	3 US-0-874-238-6
782	469.5	11.9	728	4 US-10-388-322-4
783	468	11.9	728	5 US-10-820-155-92
784	468	11.9	728	5 US-10-239-032-1
785	461	11.7	728	5 US-11-150-883-55
786	423	10.7	670	6 US-11-150-883-54
787	423	10.7	685	6 US-11-150-883-52
788	412	10.4	670	6 US-11-150-883-51
789	412	10.4	685	6 US-10-287-436A-452
790	403.5	10.2	705	5 US-10-820-155-90
791	403.5	10.2	688	3 US-09-874-238-8
792	403.5	10.2	705	5 US-10-821-231-1532
793	403.5	10.2	686	3 US-09-874-198-2
794	403.5	10.2	686	3 US-09-874-238-2
795	401.5	10.2	705	5 US-10-287-436A-452
796	401.5	10.2	686	5 US-10-974-148-12
797	403.5	10.2	705	5 US-10-820-155-90
798	403.5	10.2	686	5 US-10-989-891-144
799	403.5	10.2	686	5 US-10-756-149-705
800	401.5	10.2	686	6 US-11-032-119-2
801	401.5	10.2	686	6 US-11-150-883-5
802	401.5	10.2	686	5 US-10-631-667-64
803	401.5	10.2	688	5 US-10-831-891-143
804	805	10.2	688	5 US-10-811-231-1533
805	805	10.2	688	6 US-11-169-441-149
806	807	10.2	688	4 US-10-072-012-354
807	808	10.2	686	4 US-10-037-117-132
809	400.5	10.2	686	4 US-10-981-152
810	399.5	10.1	671	6 US-11-150-883-6
811	399.5	10.1	671	6 US-11-150-887-6
812	399.5	10.1	671	6 US-10-332-713-3
813	398.5	10.1	671	6 US-11-150-887-6
814	336	8.5	760	3 US-09-925-301-1024
815	334	8.5	673	3 US-09-874-198-8
816	334	8.5	673	6 US-11-032-149-8
817	334	8.5	673	5 US-10-820-155-81
818	334	8.5	688	5 US-10-287-436A-99
819	334	8.5	688	5 US-10-287-436A-1256
820	334	8.5	688	5 US-10-631-667-64
821	334	8.5	688	5 US-10-831-891-143
822	334	8.5	688	5 US-10-811-231-1533
823	334	8.5	688	6 US-11-169-441-149
824	334	8.5	688	4 US-10-072-012-354
825	332	8.4	855	4 US-10-072-012-20
826	332	8.4	855	4 US-10-037-117-132
827	332	8.4	855	4 US-11-019-711-132
828	332	8.4	1019	3 US-09-776-191-64
829	331.5	8.4	1019	4 US-10-157-031-267
830	331.5	8.4	1019	4 US-10-156-214A-31
831	331.5	8.4	1019	4 US-10-156-214A-31
832	331.5	8.4	1019	4 US-10-729-807-37
833	330.5	8.4	1019	4 US-10-408-765A-2243
834	329.5	8.4	1019	4 US-10-408-765A-2243
835	329.5	8.4	3389	4 US-10-408-765A-2286
836	329.5	8.4	3508	4 US-10-016-248-46
837	329.5	8.4	3567	4 US-10-453-372-1112
838	329	8.3	3564	4 US-10-016-248-45
839	328.5	8.3	1274	4 US-10-467-042-11
840	328.5	8.3	1274	4 US-10-046-868-11
841	328.5	8.3	1783	4 US-10-276-934-12
842	328.5	8.3	1800	4 US-10-276-934-10
843	328.5	8.3	1826	4 US-10-276-934-9
844	328.5	8.3	2008	4 US-10-276-934-11
845	328.5	8.3	2306	4 US-10-276-934-14
846	328.5	8.3	2352	4 US-10-276-934-13

847	847	8.3	1783	4 US-10-276-934-12
848	848	8.3	1800	4 US-10-276-934-10
849	849	8.3	1826	4 US-10-276-934-9
850	850	8.3	2008	4 US-10-276-934-11
851	851	8.3	2306	4 US-10-276-934-14
852	852	8.3	2352	4 US-10-276-934-13

847	328	8.3	762	4	US-10-729-807-1	920	309.5	7.8	799	4	US-10-072-012-410
848	328	8.3	851	4	US-10-276-774-1798	921	309.5	7.8	799	4	US-10-072-012-416
849	328	8.3	851	4	US-10-296-115-1143	922	309	7.8	419	4	US-10-182-263-3
850	328	8.3	855	4	US-10-295-3302-6185	923	309	7.8	419	4	US-10-182-263-5
851	328	8.3	855	4	US-10-072-012-353	924	308	7.8	419	4	US-10-182-263-4
852	328	8.3	855	4	US-10-072-012-412	925	301.5	7.6	229	3	US-09-825-752A-72
853	328	8.3	855	4	US-10-072-012-419	926	301.5	7.6	229	5	US-10-821-438-72
854	327.5	8.3	449	3	US-09-925-302-612	927	299.5	7.6	467	4	US-10-406-031-2
855	327.5	8.3	449	3	US-09-925-302-612	928	298	7.6	397	4	US-10-104-041-3904
856	327	8.3	688	4	US-10-453-827-884	929	298	7.6	397	6	US-11-072-512-3904
857	327	8.3	757	4	US-10-072-012-44	930	296	7.5	229	4	US-10-051-874-101
858	327	8.3	855	3	US-09-976-191-2	931	296	7.5	230	3	US-09-981-151A-96
859	327	8.3	855	4	US-10-099-700A-2	932	296	7.5	230	4	US-10-032-189-66
860	327	8.3	855	4	US-10-190-030B-2	933	296	7.5	230	4	US-10-014-978A-221
861	327	8.3	855	4	US-10-302-884OA-2	934	296	7.5	230	4	US-10-074-978B-222
862	327	8.3	855	4	US-10-267-219-2	935	296	7.5	230	4	US-10-074-978B-222
863	327	8.3	855	4	US-10-112-221A-2	936	296	7.5	230	4	US-10-055-562A-96
864	327	8.3	855	4	US-10-104-271-2	937	296	7.5	230	4	US-10-042-865-155
865	327	8.3	855	4	US-10-147-211A-2	938	296	7.5	230	4	US-10-072-012-812
866	327	8.3	855	4	US-10-156-214A-2	939	296	7.5	230	4	US-10-037-417-135
867	327	8.3	855	4	US-10-072-012-352	940	296	7.5	230	4	US-10-074-978A-222
868	327	8.3	855	4	US-10-072-012-411	941	296	7.5	230	4	US-10-074-978B-222
869	327	8.3	855	4	US-10-072-012-418	942	296	7.5	932	5	US-10-40-753-51801
870	327	8.3	855	4	US-10-600-187-2	943	293	7.4	986	4	US-10-114-153-50
871	327	8.3	855	4	US-10-612-466B-2	944	291.5	7.4	516	5	US-10-955-561-559
872	327	8.3	855	6	US-11-104-110-1	945	291.5	7.4	376	4	US-10-406-031-31
873	327	8.3	855	6	US-11-104-111-22	946	291	7.4	947	289.5	7.3
874	324	8.3	3095	6	US-11-235-732-4	947	289.5	7.3	658	4	US-11-019-711-135
875	321	8.1	3130	5	US-10-453-372-42	948	289.5	7.3	658	4	US-10-16-21A-10
876	321	8.1	3145	5	US-10-453-372-40	949	289.5	7.3	802	3	US-09-976-191-8
877	321	8.1	3146	5	US-10-453-372-32	950	289.5	7.3	802	3	US-10-16-21A-8
878	319.5	8.1	3145	4	US-10-406-031-17	951	288.5	7.3	802	3	US-10-955-561-559
879	318	8.1	3104	5	US-10-453-372-62	952	288.5	7.3	802	4	US-10-406-031-31
880	318	8.1	2612	5	US-10-53-372-38	953	288.5	7.3	802	4	US-10-167-749-169
881	318	8.1	2669	4	US-10-016-248-4	954	288.5	7.3	802	4	US-10-10-208-169
882	318	8.1	3104	4	US-10-16-248-2	955	288.5	7.3	802	4	US-10-12-52A-169
883	318	8.1	3104	5	US-10-453-372-34	956	288.5	7.3	802	5	US-10-918-851-169
884	318	8.1	3104	5	US-10-453-372-62	957	288.5	7.3	902	4	US-10-805-667-169
885	318	8.1	3104	5	US-10-453-372-64	958	288.5	7.3	902	4	US-10-805-667-169
886	317.5	8.0	3069	6	US-11-235-732-2	959	288.5	7.3	802	5	US-10-803-802-169
887	317.5	8.0	3100	6	US-11-235-732-7	960	288.5	7.3	802	5	US-10-827-360-169
888	314.5	8.0	454	4	US-10-406-031-11	961	288.5	7.3	802	4	US-10-11-12-52A-169
889	314	8.0	855	3	US-09-900-751-2	962	288.5	7.3	802	4	US-11-037-241-113
890	314	8.0	855	4	US-10-072-012-355	963	288.5	7.3	902	4	US-10-333-743-3
891	312	7.9	467	4	US-10-406-031-8	964	288.5	7.3	902	4	US-10-287-98B-11
892	313	7.9	855	4	US-11-072-012-356	965	288.5	7.3	902	4	US-10-406-031-5
893	313	7.9	855	4	US-10-072-012-414	966	288.5	7.3	902	4	US-10-406-031-5
894	313	7.9	855	4	US-11-072-012-417	967	287	7.3	902	4	US-10-406-031-5
895	312	7.9	419	4	US-10-168-407-5	968	287	7.3	902	4	US-10-348-504-44
896	312	7.9	467	4	US-10-406-031-8	969	287	7.3	902	4	US-10-407-123-27
897	312	7.9	1031	4	US-11-072-012-413	970	287	7.3	902	4	US-09-987-457-18
898	312	7.9	855	4	US-10-072-012-414	971	287	7.3	902	4	US-09-987-455-19
899	311	7.9	419	4	US-10-168-407-3	972	287	7.3	902	4	US-10-30-101-203
900	310.5	7.9	409	5	US-10-506-301-2	973	287	7.3	902	4	US-10-705-633-1
901	310.5	7.9	410	5	US-10-506-301-1	974	287	7.3	902	4	US-10-742-885-51
902	310.5	7.9	415	4	US-10-670-628-2	975	287	7.3	902	4	US-11-14-385-19
903	310.5	7.9	419	3	US-09-957-623-4	976	287	7.3	902	4	US-09-989-271-7
904	310.5	7.9	419	3	US-09-978-917A-4	977	287	7.3	902	4	US-09-994-298-145
905	310.5	7.9	419	4	US-10-168-407-6	978	287	7.3	902	4	US-10-193-656-8
906	310.5	7.9	419	4	US-10-168-407-1	979	287	7.3	902	4	US-10-443-701-4
907	310.5	7.9	419	4	US-10-168-407-1	980	287	7.3	902	4	US-10-443-701-4
908	310.5	7.9	419	5	US-10-506-301-3	981	287	7.3	902	4	US-10-443-701-4
909	310.5	7.9	419	5	US-10-495-191-1	982	287	7.3	902	4	US-10-443-701-4
910	310.5	7.9	419	6	US-11-004-111-4	983	287	7.3	902	4	US-10-410-982-26
911	310.5	7.9	453	4	US-10-406-031-4	984	287	7.3	902	4	US-10-411-049-26
912	310.5	7.9	461	3	US-09-991-623-2	985	287	7.3	902	4	US-10-411-049-26
913	310.5	7.9	461	3	US-09-978-917A-2	986	287	7.3	902	4	US-10-411-049-26
914	310.5	7.9	461	4	US-10-182-263-2	987	287	7.3	902	4	US-10-411-049-26
915	310.5	7.9	461	5	US-10-756-149-5387	988	287	7.3	902	4	US-10-110-913-26
916	310.5	7.9	461	6	US-10-110-904-111-2	989	287	7.3	902	4	US-10-712-124-108
917	310.5	7.9	461	6	US-10-182-263-6	990	287	7.3	902	4	US-10-712-124-108
918	310	7.9	419	4	US-10-182-263-6	991	287	7.3	902	4	US-10-712-124-108
919	310	7.9	419	4	US-10-182-263-6	992	287	7.3	902	4	US-10-712-124-108
920	310	7.9	419	4	US-10-182-263-6	993	287	7.3	902	4	US-10-712-124-108
921	309.5	7.9	419	5	US-10-182-263-6	994	287	7.3	902	4	US-10-712-124-108
922	309	7.9	419	5	US-10-182-263-6	995	287	7.3	902	4	US-10-712-124-108
923	309	7.9	419	5	US-10-182-263-6	996	287	7.3	902	4	US-10-712-124-108
924	308	7.9	419	5	US-10-182-263-6	997	287	7.3	902	4	US-10-712-124-108
925	301.5	7.9	419	5	US-10-182-263-6	998	287	7.3	902	4	US-10-712-124-108
926	299.5	7.9	419	5	US-10-182-263-6	999	287	7.3	902	4	US-10-712-124-108
927	299	7.9	419	5	US-10-182-263-6	1000	287	7.3	902	4	US-10-712-124-108
928	298	7.9	419	5	US-10-182-263-6	1001	287	7.3	902	4	US-10-712-124-108
929	298	7.9	419	5	US-10-182-263-6	1002	287	7.3	902	4	US-10-712-124-108
930	298	7.9	419	5	US-10-182-263-6	1003	287	7.3	902	4	US-10-712-124-108
931	298	7.9	419	5	US-10-182-263-6	1004	287	7.3	902	4	US-10-712-124-108
932	298	7.9	419	5	US-10-182-263-6	1005	287	7.3	902	4	US-10-712-124-108
933	298	7.9	419	5	US-10-182-263-6	1006	287	7.3	902	4	US-10-712-124-108
934	298	7.9	419	5	US-10-182-263-6	1007	287	7.3	902	4	US-10-712-124-108
935	298	7.9	419	5	US-10-182-263-6	1008	287	7.3	902	4	US-10-712-124-108
936	298	7.9	419	5	US-10-182-263-6	1009	287	7.3	902	4	

1081	280	7.1	562	5	US-10-492-611-26	Sequence 26, Appli
1082	280	7.1	562	5	US-10-995-561-1561	Sequence 26, Appli
1083	280	7.1	562	6	US-11-169-041-153	Sequence 153, Appli
1084	280	7.1	562	6	US-11-183-205-26	Sequence 26, Appli
1085	279.5	7.1	782	4	US-10-097-340-312	Sequence 312, Appli
1086	279.5	7.1	6	US-11-050-966-312	Sequence 312, Appli	
1087	279	7.1	527	4	US-10-705-633-2	Sequence 2, Appli
1088	279	7.1	932	4	US-10-363-937-6	Sequence 6, Appli
1089	279	7.1	932	4	US-11-167-040-6	Sequence 6, Appli
1090	279	7.1	970	3	US-09-888-615-101	Sequence 101, App
1091	279	7.1	970	3	US-11-037-243-101	Sequence 101, App
1092	278.5	7.1	264	3	US-10-617-619-6	Sequence 34, Appli
1093	278.5	7.1	264	5	US-10-485-231-34	Sequence 34, Appli
1094	278.5	7.1	466	4	US-10-017-122-2	Sequence 2, Appli
1095	278.5	7.1	466	4	US-10-375-711-14	Sequence 2, Appli
1096	278.5	7.1	481	4	US-10-741-601-501	Sequence 501, App
1097	278.5	7.1	481	4	US-10-741-601-502	Sequence 502, App
1098	278.5	7.1	701	4	US-10-464-348-34	Sequence 6, Appli
1099	278.5	7.1	701	6	US-11-227-340-6	Sequence 6, Appli
1100	278	7.0	408	6	US-11-097-143-42048	Sequence 42048, A
1101	278	7.0	488	4	US-10-406-031-27	Sequence 27, Appli
1102	278	7.0	488	5	US-10-723-860-261	Sequence 261, App
1103	278	7.0	488	5	US-10-492-191-23	Sequence 23, Appli
1104	278	7.0	1113	4	US-10-464-348-17	Sequence 78, Appli
1105	278	7.0	1113	6	US-11-067-811-4	Sequence 4, Appli
1106	277.5	7.0	476	5	US-10-494-004-1	Sequence 4, Appli
1107	276.5	7.0	426	3	US-09-951-121A-1	Sequence 1, Appli
1108	276.5	7.0	426	3	US-09-848-107-1	Sequence 1, Appli
1109	276.5	7.0	426	3	US-09-259-682-1	Sequence 23, Appli
1110	276.5	7.0	455	4	US-10-172-712-28	Sequence 28, Appli
1111	276	7.0	249	3	US-09-961-721-5	Sequence 5, Appli
1112	276	7.0	249	4	US-10-780-789-46	Sequence 46, Appli
1113	276	7.0	249	6	US-11-151-601-28	Sequence 1, Appli
1114	276	7.0	251	3	US-09-848-107-1	Sequence 4, Appli
1115	276	7.0	251	4	US-10-170-789-45	Sequence 4, Appli
1116	276	7.0	251	6	US-11-151-601-27	Sequence 27, Appli
1117	276	7.0	259	4	US-10-107-782-214	Sequence 214, App
1118	276	7.0	259	4	US-10-038-854-100	Sequence 46, Appli
1119	276	7.0	396	4	US-10-700-778-1	Sequence 1, Appli
1120	276	7.0	527	4	US-10-705-633-3	Sequence 3, Appli
1121	275.5	7.0	405	4	US-10-360-101-225	Sequence 225, Appli
1122	275.5	7.0	406	3	US-09-782-587B-1	Sequence 1, Appli
1123	275.5	7.0	406	3	US-09-782-587B-3	Sequence 3, Appli
1124	275.5	7.0	406	4	US-10-109-438-1	Sequence 1, Appli
1125	275.5	7.0	406	4	US-10-255-032-1	Sequence 1, Appli
1126	275.5	7.0	406	4	US-10-281-727-1	Sequence 1, Appli
1127	275.5	7.0	406	4	US-10-386-896-7	Sequence 1, Appli
1128	275.5	7.0	406	4	US-10-383-899-1	Sequence 1, Appli
1129	275.5	7.0	406	4	US-10-617-500-1	Sequence 1, Appli
1130	275.5	7.0	406	4	US-10-243-205B-2	Sequence 1, Appli
1131	275.5	7.0	406	4	US-10-617-619-1	Sequence 1, Appli
1132	275.5	7.0	406	4	US-10-701-294-1	Sequence 1, Appli
1133	275.5	7.0	406	4	US-10-669-537-1	Sequence 1, Appli
1134	275.5	7.0	406	4	US-10-738-777-2	Sequence 1, Appli
1135	275.5	7.0	406	5	US-10-900-490-1	Sequence 1, Appli
1136	275.5	7.0	406	5	US-10-725-843-3	Sequence 3, Appli
1137	275.5	7.0	406	5	US-10-609-701A-1	Sequence 1, Appli
1138	275.5	7.0	406	5	US-10-550-747-1	Sequence 1, Appli
1139	275.5	7.0	406	5	US-10-950-747-3	Sequence 1, Appli
1140	275.5	7.0	406	5	US-10-822-943-1	Sequence 2, Appli
1141	275.5	7.0	406	6	US-11-021-239-1	Sequence 1, Appli
1142	275.5	7.0	406	6	US-11-311-072-1	Sequence 1, Appli
1143	275.5	7.0	406	6	US-11-111-079-1	Sequence 1, Appli
1144	275.5	7.0	406	6	US-11-186-663-1	Sequence 1, Appli
1145	275.5	7.0	406	6	US-11-227-340-1	Sequence 1, Appli
1146	275.5	7.0	444	4	US-10-411-037-8	Sequence 34, Appli
1147	275.5	7.0	444	4	US-10-382-238-34	Sequence 1, Appli
1148	275.5	7.0	444	4	US-10-411-026-8	Sequence 1, Appli
1149	275.5	7.0	444	4	US-10-410-962-8	Sequence 1, Appli
1150	275.5	7.0	444	4	US-10-411-049-8	Sequence 1, Appli
1151	275.5	7.0	444	4	US-10-243-205B-3	Sequence 1, Appli
1152	275.5	7.0	444	4	US-10-410-930-8	Sequence 8, Appli

1226	263.5	6.7	411	4	US-10-744-927-1	1299	258.5	6.6	411	4	US-10-407-821-2
1227	263.5	6.7	494	6	US-11-094-519A-35	1300	258.5	6.6	411	5	US-10-828-53B-B16
1228	263	6.7	431	4	US-10-076-421-2	1301	258.5	6.6	411	6	US-11-019-448-3
1229	263	6.7	431	4	US-10-171-311-184	1302	258.5	6.6	412	5	US-10-855-911-2
1230	263	6.7	431	4	US-10-301-822-161	1303	258.5	6.6	787	6	US-11-097-143-40698
1231	263	6.7	431	4	US-10-131-985-21	1304	257.5	6.5	591	5	US-10-865-978-17
1232	263	6.7	431	4	US-10-295-027-114	1305	257	6.5	215	4	US-10-051-874-102
1233	263	6.7	431	4	US-10-295-027-1275	1306	257	6.5	217	3	US-09-981-151A-89
1234	263	6.7	431	4	US-10-411-037-34	1307	257	6.5	217	3	US-09-981-151A-97
1235	263	6.7	431	4	US-10-411-012-34	1308	257	6.5	217	4	US-10-032-189-67
1236	263	6.7	431	4	US-10-410-962-34	1309	257	6.5	217	4	US-10-074-978A-223
1237	263	6.7	431	4	US-10-411-049-34	1310	257	6.5	217	4	US-10-055-569A-97
1238	263	6.7	431	4	US-10-410-930-34	1311	257	6.5	217	4	US-10-042-865-156
1239	263	6.7	431	4	US-10-410-997-34	1312	257	6.5	217	4	US-10-072-012-805
1240	263	6.7	431	4	US-10-411-012-34	1313	257	6.5	217	4	US-10-032-012-813
1241	263	6.7	431	4	US-10-287-994-34	1314	257	6.5	217	4	US-10-037-417-136
1242	263	6.7	431	4	US-10-410-913-34	1315	257	6.5	217	6	US-11-019-711-136
1243	263	6.7	431	5	US-10-492-261-34	1316	257	6.5	529	4	US-10-396-037-2
1244	263	6.7	431	5	US-10-741-600-1265	1317	257	6.5	1039	5	US-10-856-978-30
1245	263	6.7	431	5	US-10-901-417-21	1318	256	6.5	207	4	US-10-004-378A-147
1246	263	6.7	431	5	US-10-410-980-34	1319	255.5	6.5	244	3	US-09-976-294-11
1247	263	6.7	431	5	US-10-645-566-38	1320	255.5	6.5	456	5	US-10-461-787-14
1248	263	6.7	431	5	US-10-410-897-34	1321	255.5	6.5	244	6	US-11-251-455-13
1249	263	6.7	431	5	US-10-466-98A-2	1322	255.5	6.5	441	5	US-10-741-600-829
1250	263	6.7	431	5	US-10-995-561-08	1323	255.5	6.5	487	5	US-10-455-772-24
1251	263	6.7	431	5	US-11-186-284-161	1324	254.5	6.5	437	4	US-10-712-332-3
1252	263	6.7	431	6	US-11-183-205-34	1325	254.5	6.5	456	5	US-10-455-772-24
1253	263	6.7	431	6	US-11-183-205-34	1326	254.5	6.5	487	3	US-09-808-602-93
1254	263	6.7	437	4	US-10-087-92-594	1327	254	6.4	314	6	US-11-097-143-6243
1255	262.5	6.7	415	4	US-10-466-98A-2	1328	254	6.4	431	3	US-09-264-468B-1
1256	262.5	6.7	415	4	US-10-166-028-1	1329	253.5	6.4	456	4	US-10-455-772-24
1257	262.5	6.7	433	5	US-10-488-671-1	1330	253.5	6.4	464	3	US-09-808-602-95
1258	262.5	6.7	456	4	US-10-038-854-95	1331	253.5	6.4	487	3	US-09-808-602-93
1259	262.5	6.7	456	4	US-10-038-854-95	1332	253.5	6.4	487	3	US-09-808-602-93
1260	262.5	6.7	461	3	US-03-088-901-3	1333	253.5	6.4	487	5	US-10-455-772-16
1261	262.5	6.7	461	4	US-10-132-892-95	1334	253.5	6.4	493	5	US-10-455-772-16
1262	262.5	6.7	461	4	US-10-234-406-6	1335	253.5	6.4	487	5	US-10-455-772-24
1263	262.5	6.7	461	4	US-10-133-907-5	1336	253.5	6.4	464	4	US-10-455-772-24
1264	262.5	6.7	461	4	US-10-133-907-5	1337	253.5	6.4	498	4	US-10-166-240-49
1265	262.5	6.7	461	4	US-10-038-854-95	1338	253	6.4	487	4	US-10-168-671-25
1266	262.5	6.7	461	4	US-10-038-854-93	1339	253	6.4	487	5	US-10-455-772-26
1267	262.5	6.7	461	4	US-10-038-854-94	1340	252.5	6.4	493	5	US-10-455-772-46
1268	262.5	6.7	461	4	US-10-239-498A-5	1341	252.5	6.4	452	5	US-10-455-772-50
1269	262.5	6.7	461	5	US-10-741-600-832	1342	252.5	6.4	1043	4	US-10-016-241-48
1270	262.5	6.7	461	5	US-10-455-772-52	1343	252.5	6.4	456	5	US-10-455-772-30
1271	262.5	6.7	461	5	US-10-455-772-52	1344	252.5	6.4	464	4	US-10-168-671-25
1272	262.5	6.7	461	5	US-11-172-459-1	1345	252	6.4	487	5	US-10-455-772-26
1273	262.5	6.7	496	5	US-10-841-819B-23	1346	251.5	6.4	493	5	US-10-455-772-21
1274	262.5	6.7	496	5	US-11-029-003-8	1347	251.5	6.4	456	5	US-10-455-772-32
1275	262.5	6.7	496	6	US-09-776-191-62	1348	251.5	6.4	487	3	US-09-808-602-19
1276	262.5	6.7	1042	3	US-09-776-191-62	1349	251.5	6.4	487	3	US-09-808-198-17
1277	262.5	6.7	1042	4	US-10-156-214A-29	1350	251.5	6.4	487	3	US-09-808-198-17
1278	262.5	6.7	1042	4	US-10-863-978-2	1351	251.5	6.4	487	3	US-09-808-198-19
1279	262.5	6.7	1042	5	US-10-926-083-2	1352	251	6.4	493	4	US-10-372-965-5
1280	262.5	6.7	1042	6	US-11-067-811-1	1353	250	6.4	456	5	US-10-455-772-32
1281	262.5	6.7	1044	5	US-10-863-978-9	1354	249.5	6.3	403	3	US-09-808-602-17
1282	262.5	6.7	1046	4	US-10-276-774-2345	1355	249.5	6.3	403	3	US-11-019-448-6
1283	262	6.6	280	4	US-10-148-671-26	1356	249.5	6.3	822	3	US-09-147-947-6
1284	261.5	6.6	415	3	US-03-118-748-2	1357	249.5	6.3	487	3	US-10-757-262-34
1285	261.5	6.6	443	5	US-10-741-600-830	1358	249.5	6.3	875	4	US-10-732-860-4046
1286	261	6.6	431	4	US-10-193-556-4	1359	249.5	6.3	1379	6	US-11-097-143-3372
1287	261	6.6	431	5	US-10-722-860-870	1360	249.5	6.3	986	3	US-09-808-503-6
1288	261	6.6	431	5	US-10-756-149-4928	1361	249	6.3	1361	3	US-09-776-191-6
1289	261	6.6	431	5	US-10-504-287-2	1362	249	6.3	235	4	US-10-156-214A-6
1290	261	6.6	437	4	US-10-712-332-2	1363	249	6.3	251	3	US-09-759-210-47
1291	260	6.6	1032	5	US-10-712-938-814	1364	249	6.3	263	3	US-09-888-615-96
1292	260	6.6	431	4	US-10-282-174-562	1365	249.5	6.3	263	6	US-11-037-243-96
1293	260	6.6	431	5	US-10-600-009-562	1366	248.5	6.3	250	3	US-09-825-389C-19
1294	259	6.6	991	5	US-10-863-978-34	1367	248.5	6.3	250	3	US-09-776-210-51
1295	259	6.6	227	4	US-10-045-357A-4	1368	248.5	6.3	251	3	US-09-888-837A-41
1296	259	6.6	227	4	US-10-170-789-54	1369	248	6.3	230	3	US-09-759-210-62
1297	259	6.6	227	6	US-11-152-601-36	1370	248	6.3	230	6	US-11-004-110-3
1298	259	6.6	227	6	US-11-152-601-36	1371	248	6.3	230	6	US-11-104-111-24

1372	248	6.3	231	4	US-10-600-187-6	Sequence 6, AppI			
1373	248	6.3	263	5	US-10-733-969A-74	Sequence 74, AppI			
1374	248	6.3	638	3	US-09-808-602-102	Sequence 102, AppI			
1375	248	6.3	638	3	US-09-808-198-85	Sequence 85, AppI			
1376	248	6.3	638	4	US-10-093-322-111	Sequence 111, AppI			
1377	248	6.3	638	4	US-10-094-564-111	Sequence 111, AppI			
1378	248	6.3	638	4	US-10-403-161-50	Sequence 50, AppI			
1379	248	6.3	638	4	US-10-287-226-400	Sequence 400, AppI			
1380	248	6.3	638	4	US-10-741-600-855	Sequence 658, AppI			
1381	248	6.3	638	5	US-10-741-601-303	Sequence 303, AppI			
1382	248	6.3	638	5	US-10-741-600-854	Sequence 854, AppI			
1383	248	6.3	638	5	US-10-995-561-536	Sequence 535, AppI			
1384	248	6.3	638	6	US-11-054-281-111	Sequence 111, AppI			
1385	247.5	6.3	635	5	US-10-741-601-304	Sequence 304, AppI			
1386	247.5	6.3	635	5	US-10-741-600-855	Sequence 855, AppI			
1387	247	6.3	364	6	US-11-091-143-28392	Sequence 28392, A			
1388	247	6.3	455	5	US-10-865-978-18	Sequence 18, AppI			
1389	247	6.3	619	4	US-10-403-161-52	Sequence 52, AppI			
1390	247	6.3	619	4	US-10-287-226-404	Sequence 404, AppI			
1391	247	6.3	623	4	US-10-403-161-48	Sequence 48, AppI			
1392	247	6.3	623	4	US-10-099-332-30	Sequence 30, AppI			
1393	247	6.3	638	4	US-10-044-564-30	Sequence 46, AppI			
1394	247	6.3	638	4	US-10-403-161-46	Sequence 402, AppI			
1395	247	6.3	638	4	US-10-287-226-402	Sequence 30, AppI			
1396	247	6.3	638	6	US-11-054-281-30	Sequence 48, AppI			
1397	247	6.3	764	4	US-10-1157-047-2	Sequence 27, AppI			
1398	247	6.3	764	4	US-10-177-293-27	Sequence 1, AppI			
1399	247	6.3	764	4	US-10-236-031B-44	Sequence 44, AppI			
1400	247	6.3	764	5	US-10-733-969A-4	Sequence 4, AppI			
1401	247	6.3	764	5	US-10-287-436A-42	Sequence 423, AppI			
1402	247	6.3	764	5	US-10-287-436A-516	Sequence 516, AppI			
1403	247	6.3	764	5	US-10-287-436A-1120	Sequence 1120, AppI			
1404	247	6.3	764	5	US-10-871-62A-1207	Sequence 1207, AppI			
1405	247	6.3	764	6	US-11-057-047-1	Sequence 1, AppI			
1406	247	6.3	764	5	US-10-821-234-1034	Sequence 1034, AppI			
1407	247	6.3	986	3	US-09-818-715-2	Sequence 242, AppI			
1408	247	6.3	986	4	US-10-366-345-33	Sequence 33, AppI			
1409	247	6.3	986	4	US-10-474-794-242	Sequence 242, AppI			
1410	247	6.3	986	5	US-10-723-850-1377	Sequence 1377, AppI			
1411	247	6.3	986	5	US-10-979-159-242	Sequence 242, AppI			
1412	247	6.3	986	5	US-10-821-234-1310	Sequence 1310, AppI			
1413	246.5	6.3	254	3	US-09-817-104-11	Sequence 11, AppI			
1414	246.5	6.3	259	3	US-09-789-210-52	Sequence 52, AppI			
1415	246.5	6.2	259	5	US-10-872-198-5	Sequence 5, AppI			
1416	246.5	6.2	259	5	US-10-821-197-5	Sequence 5, AppI			
1417	246.5	6.2	259	6	US-11-021-951-5	Sequence 5, AppI			
1418	246.5	6.2	295	4	US-10-761-886-2	Sequence 2, AppI			
1419	246.5	6.2	347	3	US-09-977-577-3	Sequence 3, AppI			
1420	246.5	6.2	347	5	US-10-885-784-3	Sequence 3, AppI			
1421	246.5	6.2	622	4	US-10-020-141-8	Sequence 8, AppI			
1422	246.5	6.2	622	4	US-10-017-631-2	Sequence 2, AppI			
1423	246.5	6.2	622	4	US-10-214-932-116	Sequence 116, AppI			
1424	246.5	6.2	622	4	US-10-172-712-29	Sequence 29, AppI			
1425	246.5	6.2	622	5	US-10-733-969A-67	Sequence 67, AppI			
1426	246.5	6.2	622	5	US-10-877-198-149	Sequence 149, AppI			
1427	246.5	6.2	622	6	US-11-021-951-149	Sequence 149, AppI			
1428	246.5	6.2	639	5	US-10-792-498-16	Sequence 16, AppI			
1429	246.5	6.2	639	5	US-10-792-498-17	Sequence 17, AppI			
1430	246	6.2	812	3	US-09-885-751A-71	Sequence 71, AppI			
1431	246	6.2	812	5	US-10-851-438-71	Sequence 71, AppI			
1432	245.5	6.2	812	4	US-10-099-322-112	Sequence 112, AppI			
1433	245.5	6.2	638	4	US-10-044-564-112	Sequence 3195, A			
1434	245.5	6.2	638	6	US-11-054-281-112	Sequence 112, AppI			
1435	245	6.2	823	4	US-10-112-944-309	Sequence 309, AppI			
1436	245	6.2	445	4	US-10-360-101-266	Sequence 266, AppI			
1437	244.5	6.2	3	US-09-981-123-2	Sequence 2, AppI				
1438	244.5	6.2	280	4	US-10-148-671-23	Sequence 148, AppI			
1439	244.5	6.2	292	4	US-10-020-386-3195	Sequence 96, AppI			
1440	244	6.2	322	5	US-10-051-874-96	Sequence 2, AppI			
1441	244	6.2	477	5	US-10-949-004-2	Sequence 114, AppI			
1442	244	6.2	638	4	US-10-044-564-114	Sequence 114, AppI			
1443	244	6.2	638	4	US-10-287-226-672	Sequence 672, AppI			
1444	244	6.2	638	4	US-10-287-226-672	Sequence 672, AppI			
1445	244	6.2	1500	239.5	6.1	1015	4	US-10-016-248-97	Sequence 97, AppI

THIS PAGE BLANK